

Supplemental Alternatives Analysis Report

Appendix B.

Plan & Profile Drawings

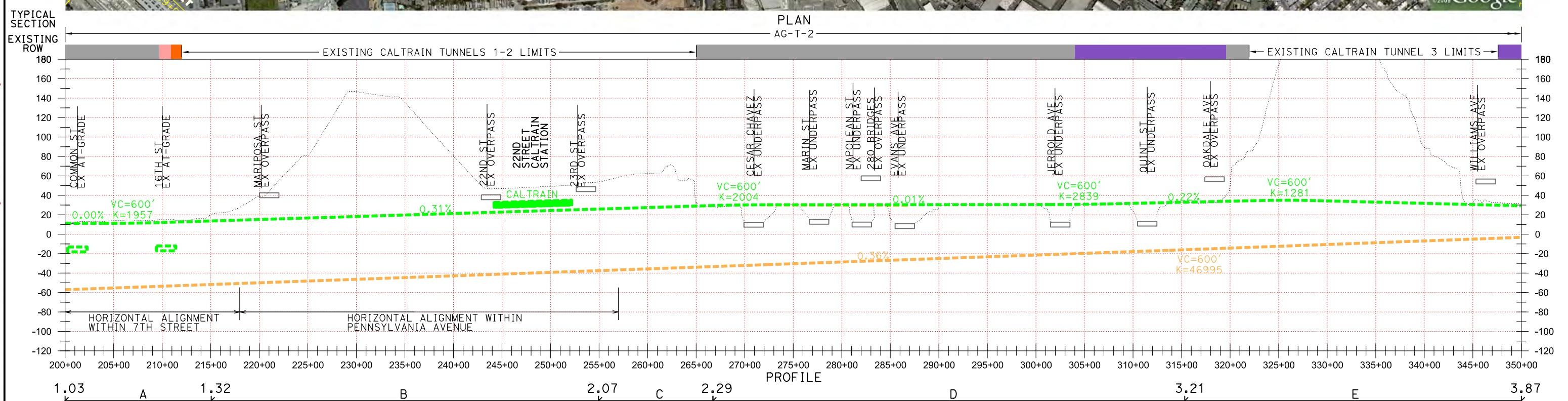
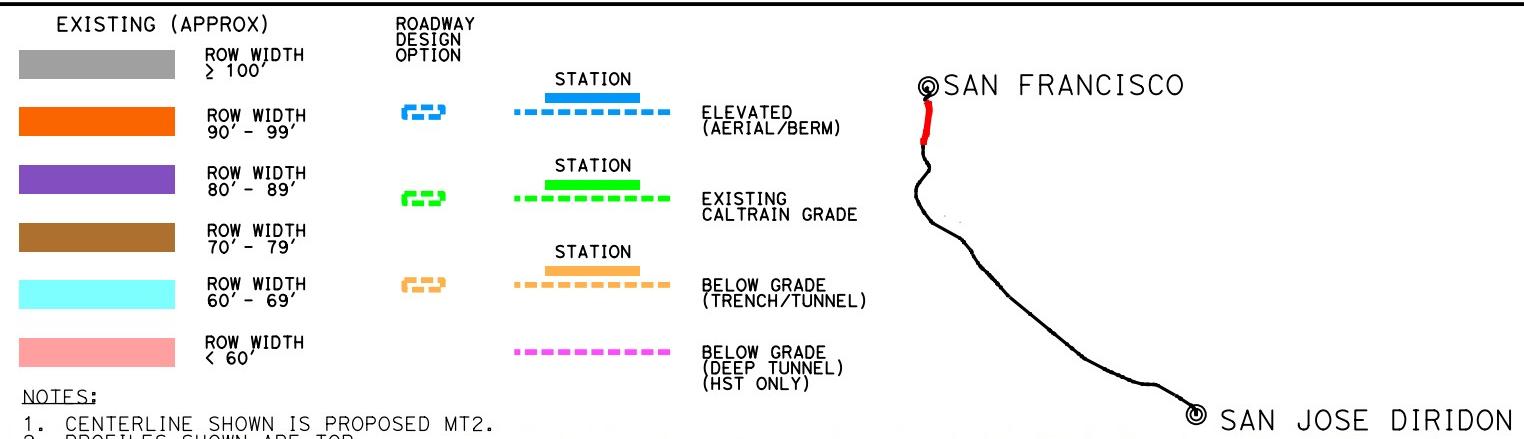
Option A

Subsection #1-1 (San Francisco)

Length: 4.8 miles Land Use: Urban

North of Common Street to South Portal Tunnel No. 4 (MP. 1.03 to MP. 5.77)

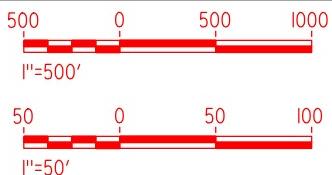
North of 30th Street to South Portal Avenue, N.E. (Mile 1.150 to M. 1.407)
This subsection is located within the City and County of San Francisco. Except for two crossings near Mission Bay, all other street crossings in this subsection are grade separated. The existing Caltrain alignment passes through a series of hills and valleys necessitating 4 tunnels and several embankment and trench segments. The I-280 freeway structure above the tracks and its supporting columns are constraints in the northern portion of the subsection.



San Francisco - San Jose

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HORIZ. SCALE:

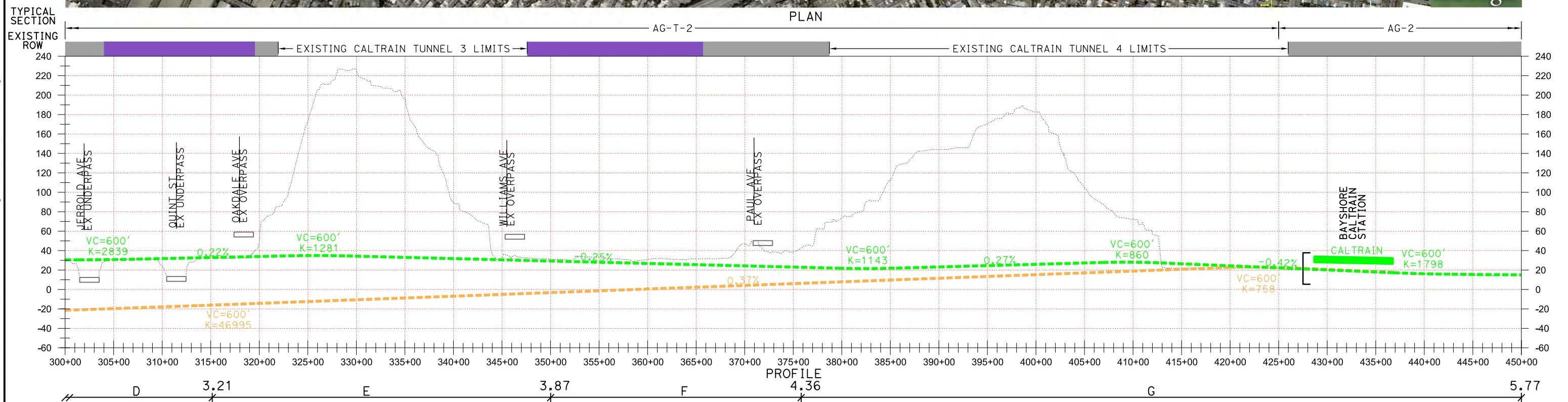
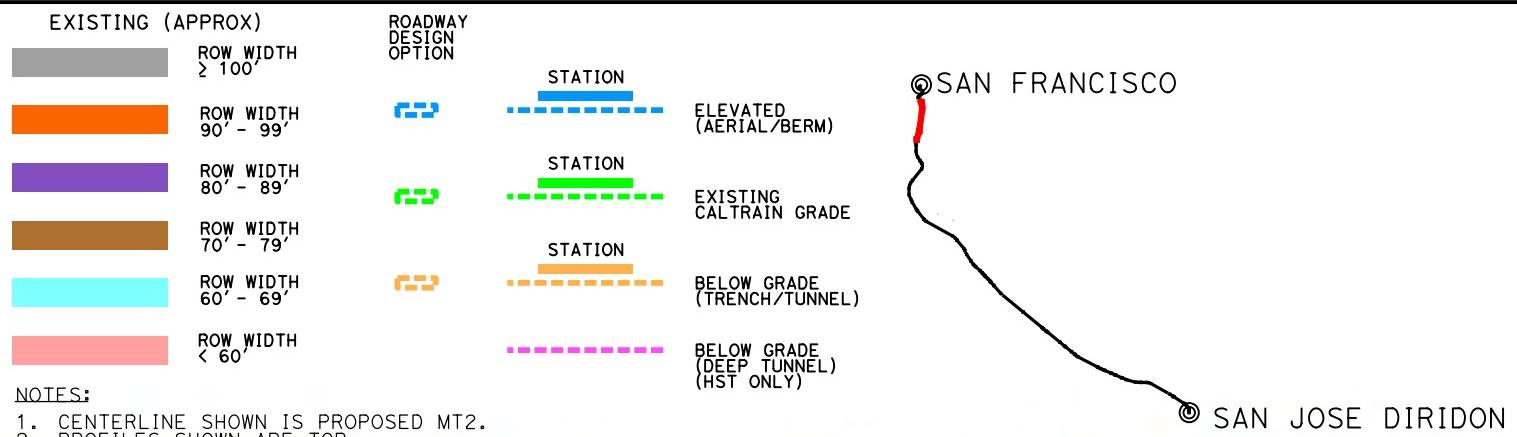


Subsection #1-2 (San Francisco/Brisbane)

Length: 4.8 miles Land Use: Urban

North of Common Street to South Portal Tunnel No. 4 (MP. 1.03 to MP. 5.77)

This subsection is located within the City and County of San Francisco. Except for two crossings near Mission Bay, all other street crossings in this subsection are grade separated. The existing Caltrain alignment passes through a series of hills and valleys necessitating 4 tunnels and several embankment and trench segments. The I-280 freeway structure above the tracks and its supporting columns are constraints in the northern portion of the subsection.



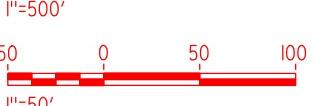
San Francisco - San Jose

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August 2010

HORIZ. SCALE:



VERT. SCALE:

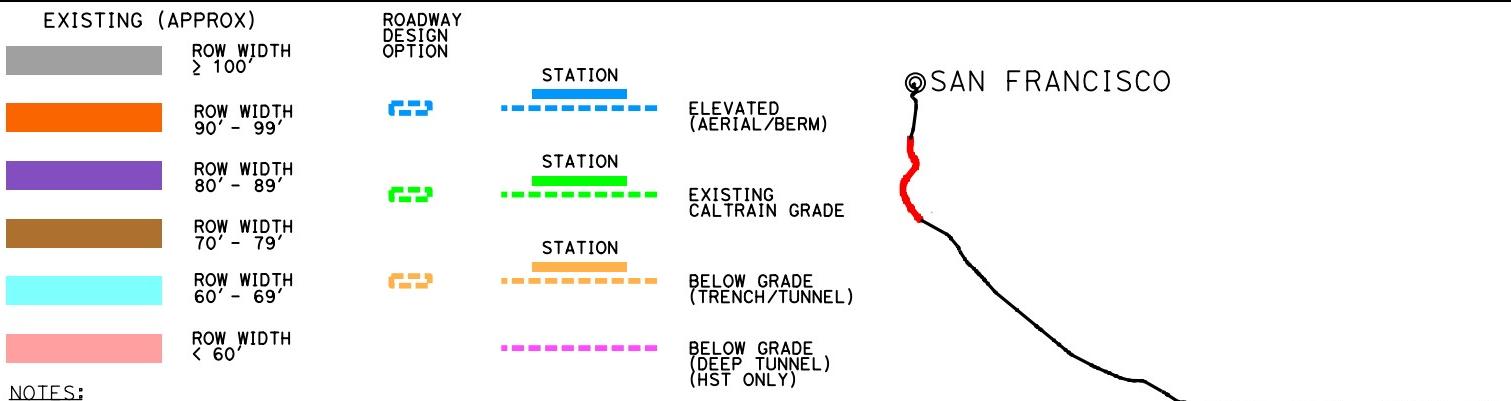


Subsection #2-1 (San Francisco/Brisbane)

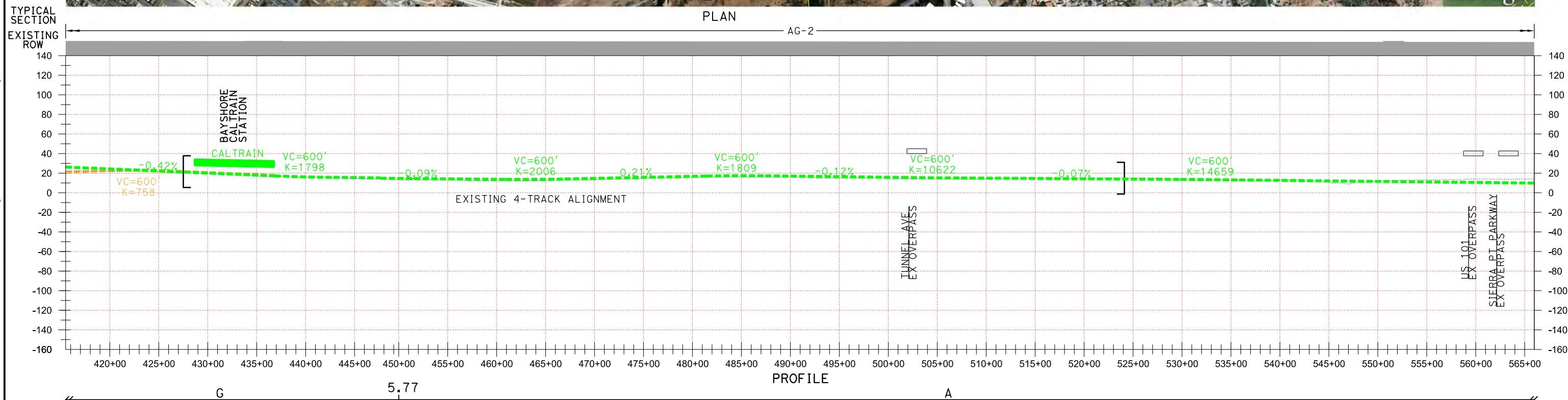
Length: 8.6 miles Land Use: Urban

South Portal Tunnel No. 4 to South of Millbrae Avenue (MP. 5.77 to MP. 14.38)

This subsection is located in the Cities of Brisbane, South San Francisco, San Bruno and Millbrae. The existing Caltrain alignment is at-grade in this subsection and many crossings are grade separated. The northern portion of this subsection is completely grade separated and includes an existing 4-track segment in Brisbane. In the southern portion of the subsection, BART runs underneath and alongside the Caltrain tracks.



- NOTES:
1. CENTERLINE SHOWN IS PROPOSED MT2.
2. PROFILES SHOWN ARE TOR.



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HORIZ. SCALE:



VERT. SCALE:



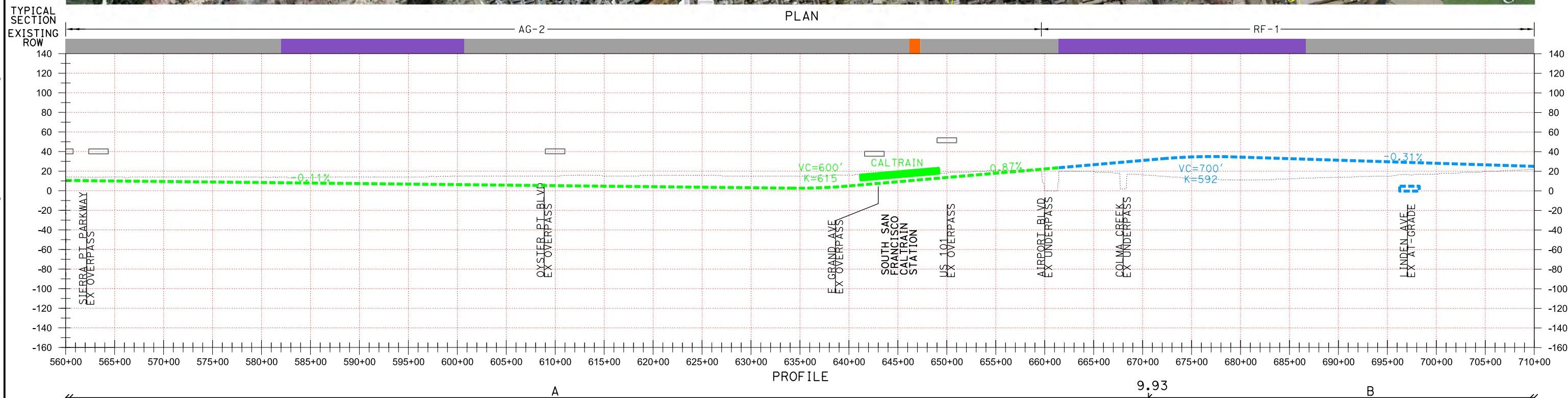
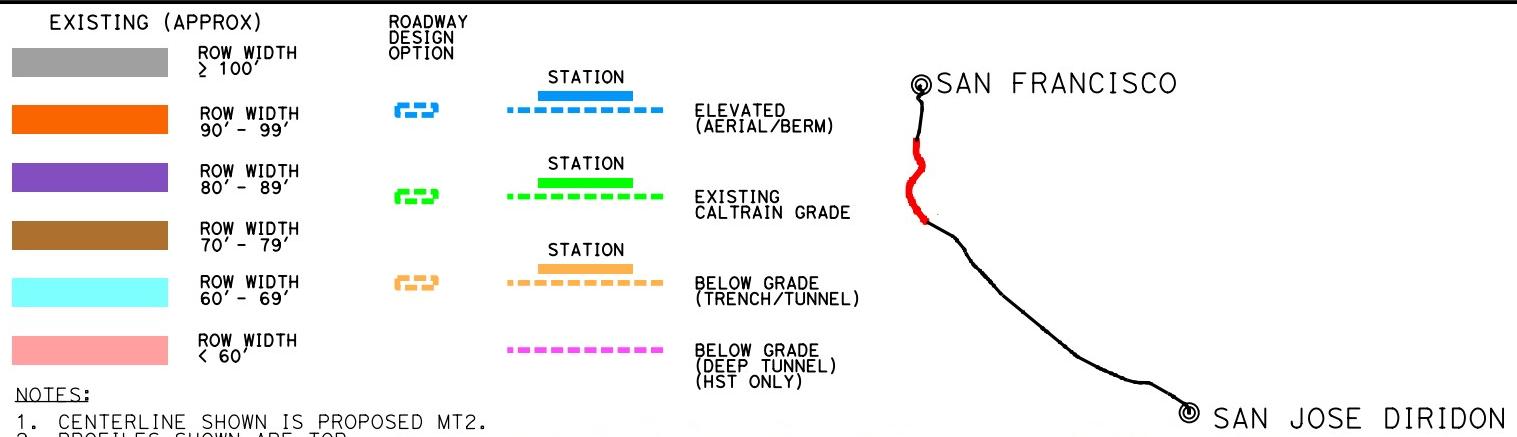
Subsection #2-2

(Brisbane/South San Francisco/
San Bruno)

Length: 8.6 miles Land Use: Urban

South Portal Tunnel No. 4 to South of Millbrae Avenue (MP. 5.77 to MP. 14.38)

This subsection is located in the Cities of Brisbane, South San Francisco, San Bruno and Millbrae. The existing Caltrain alignment is at-grade in this subsection and many crossings are grade separated. The northern portion of this subsection is completely grade separated and includes an existing 4-track segment in Brisbane. In the southern portion of the subsection, BART runs underneath and alongside the Caltrain tracks.



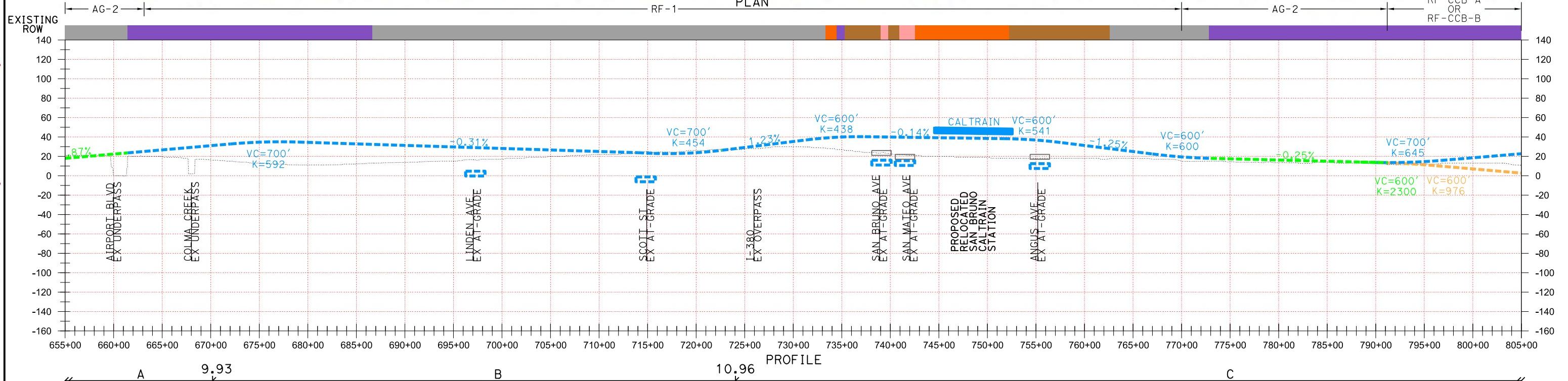
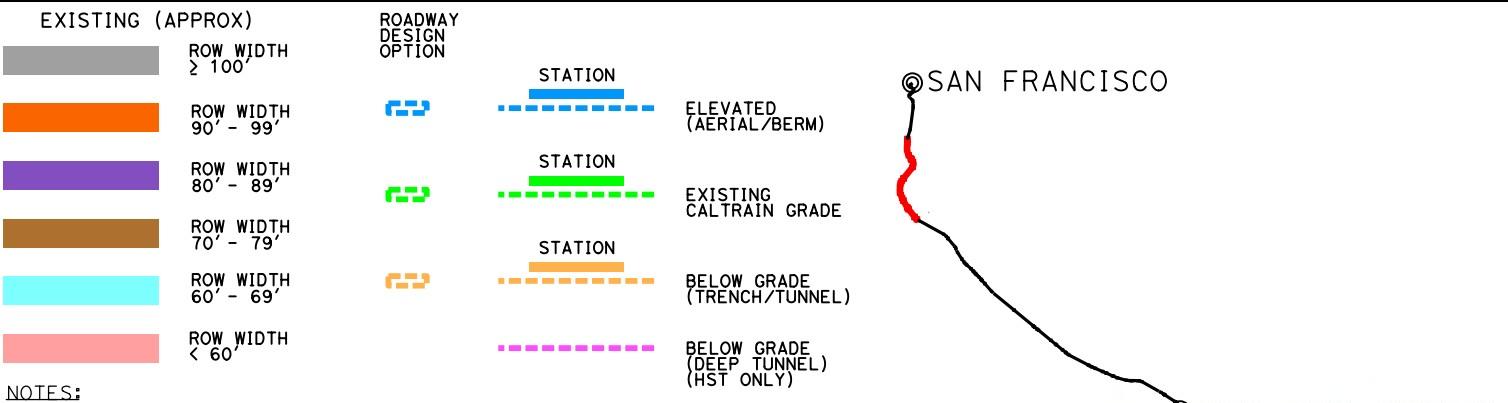
Subsection #2-3

(South San Francisco/San Bruno/SF Airport)

Length: 8.6 miles Land Use: Urban

South Portal Tunnel No. 4 to South of Millbrae Avenue (MP. 5.77 to MP. 14.38)

This subsection is located in the Cities of Brisbane, South San Francisco, San Bruno and Millbrae. The existing Caltrain alignment is at-grade in this subsection and many crossings are grade separated. The northern portion of this subsection is completely grade separated and includes an existing 4-track segment in Brisbane. In the southern portion of the subsection, BART runs underneath and alongside the Caltrain tracks.

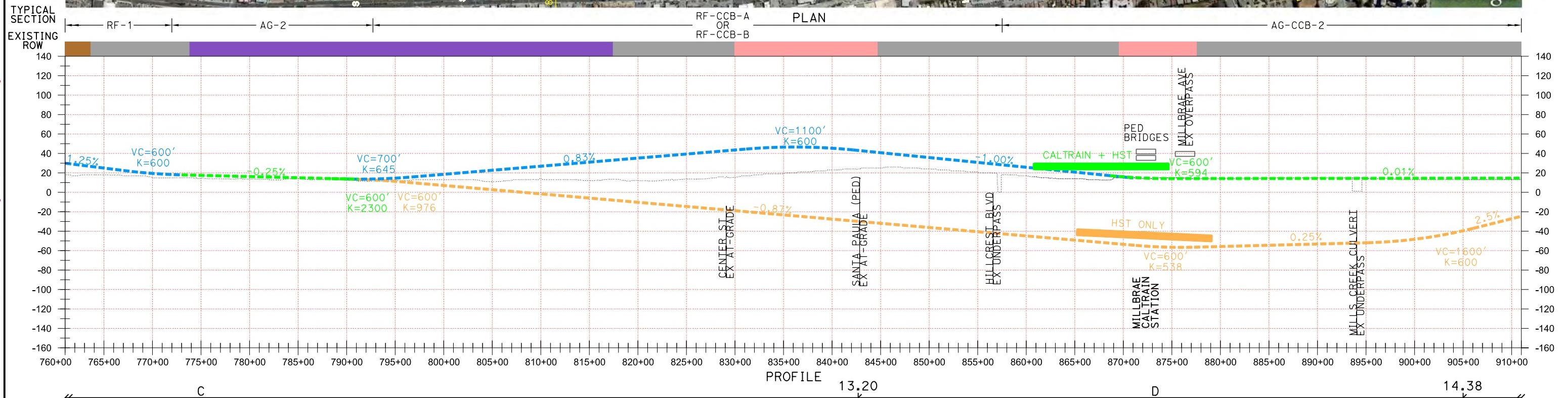
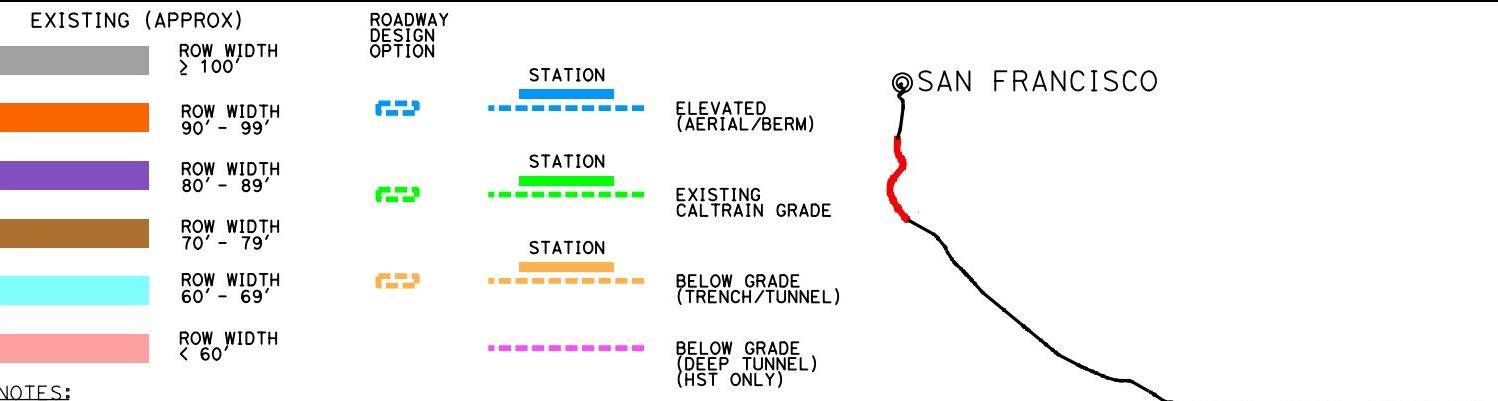


Subsection #2-4 (San Bruno/SF International Airport/Millbrae/Burlingame)

Length: 8.6 miles Land Use: Urban

South Portal Tunnel No. 4 to South of Millbrae Avenue (MP. 5.77 to MP. 14.38)

This subsection is located in the Cities of Brisbane, South San Francisco, San Bruno and Millbrae. The existing Caltrain alignment is at-grade in this subsection and many crossings are grade separated. The northern portion of this subsection is completely grade separated and includes an existing 4-track segment in Brisbane. In the southern portion of the subsection, BART runs underneath and alongside the Caltrain tracks.



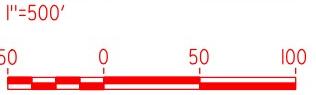
San Francisco - San Jose

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HORIZ. SCALE:



VERT. SCALE:

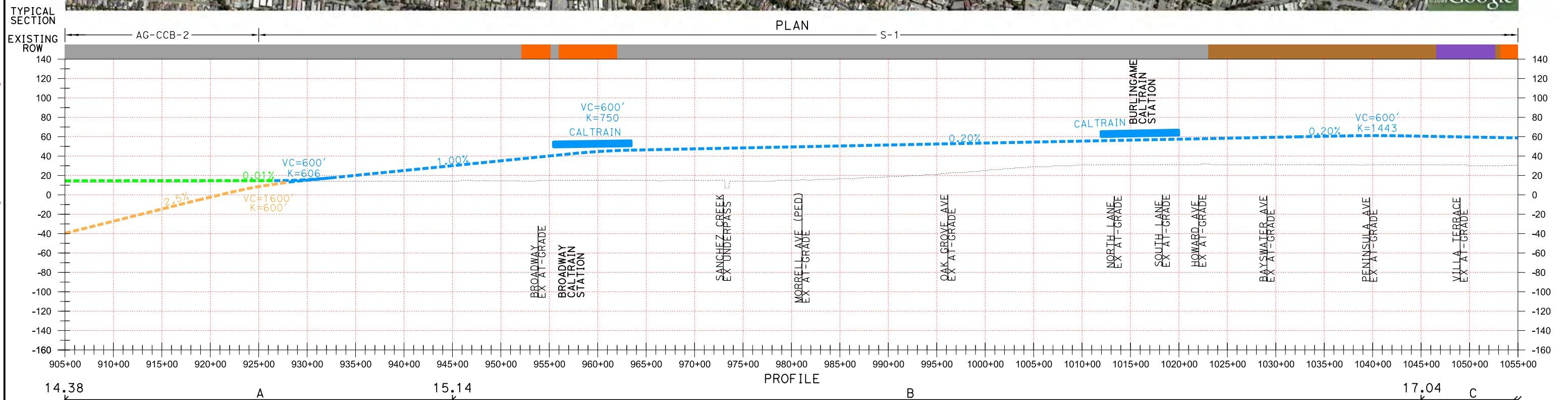
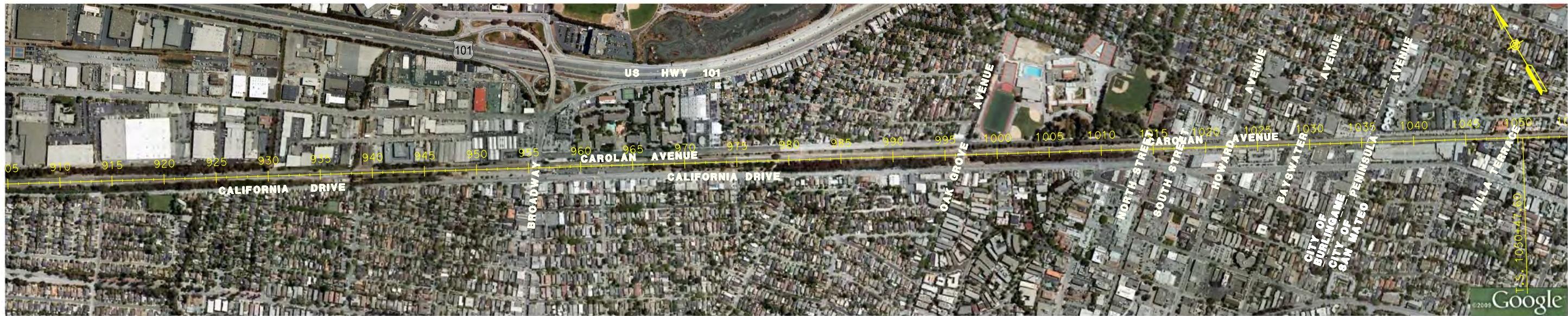
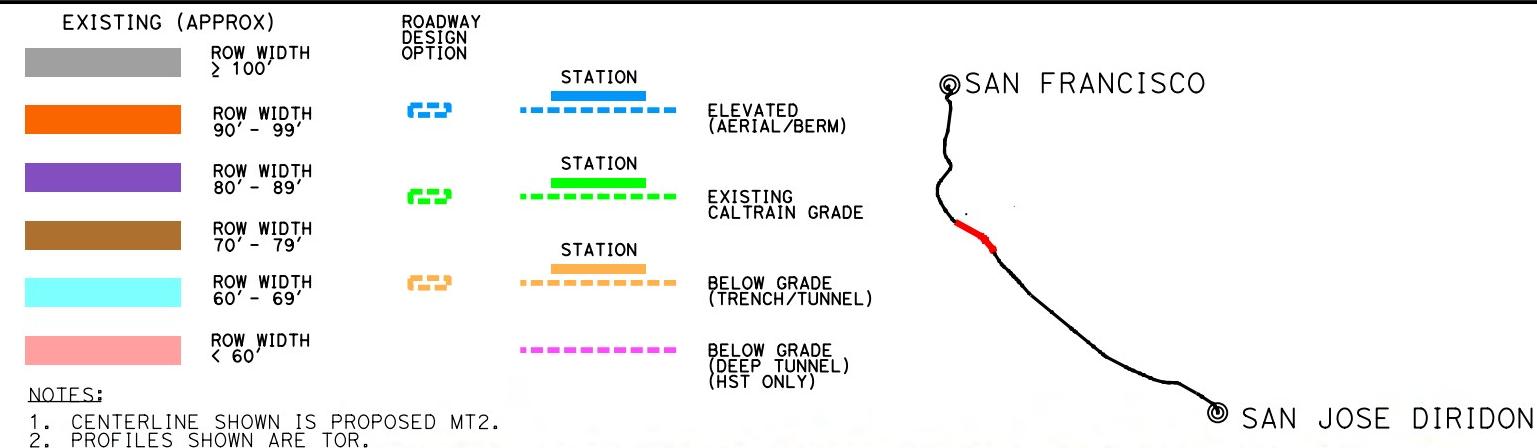


Subsection #3-1 (Burlingame/San Mateo)

Length: 4.9 miles Land Use: Urban

South of Millbrae Avenue to North of Highway 92 (MP. 14.38 to MP. 19.29)

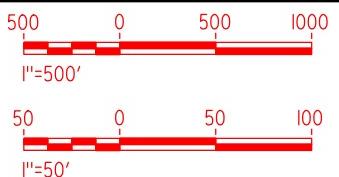
This subsection is located in the Cities of Burlingame and San Mateo. In this subsection, the Caltrain tracks are primarily at-grade as are most of the crossings; those that are grade-separated have sub-standard clearances. This subsection includes a tight area through downtown San Mateo where a number of closely spaced at-grade crossings are an integral part of the street grid.



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HORIZ. SCALE:

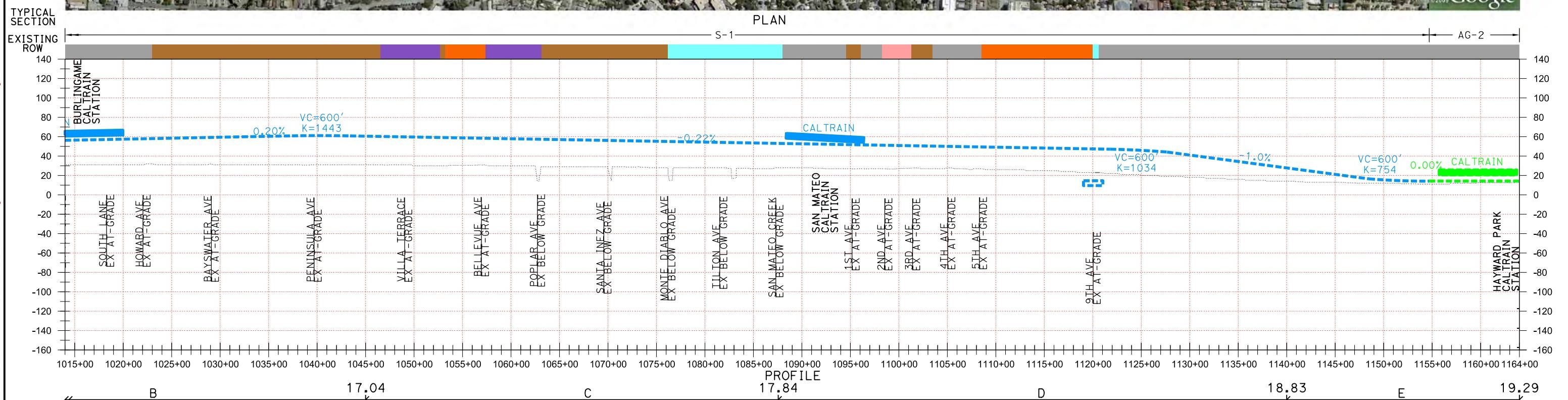
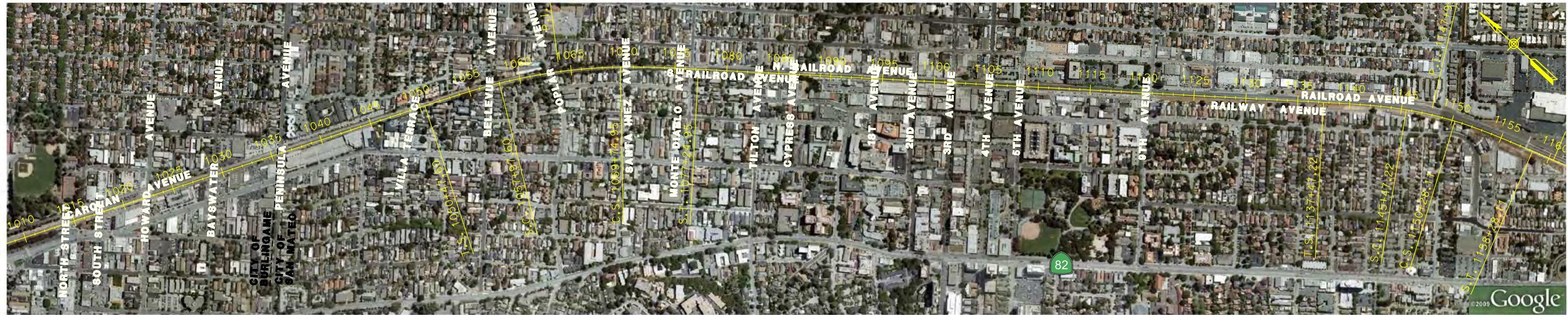
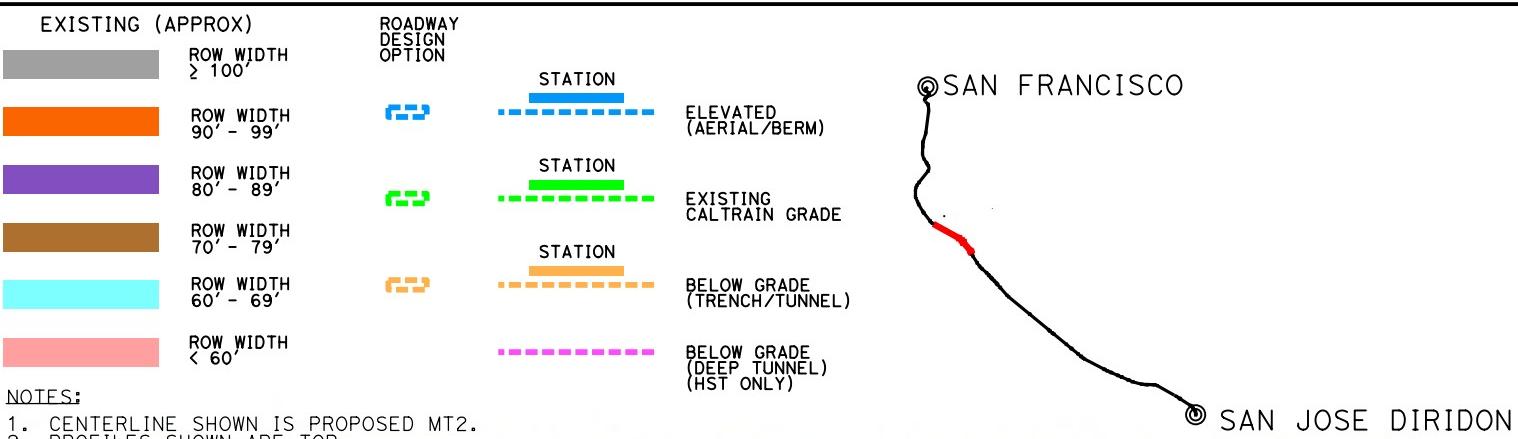


Subsection #3-2 (Burlingame/San Mateo)

Length: 4.9 miles Land Use: Urban

South of Millbrae Avenue to North of Highway 92 (MP. 14.38 to MP. 19.29)

This subsection is located in the Cities of Burlingame and San Mateo. In this subsection, the Caltrain tracks are primarily at-grade as are most of the crossings; those that are grade-separated have sub-standard clearances. This subsection includes a tight area through downtown San Mateo where a number of closely spaced at-grade crossings are an integral part of the street grid.

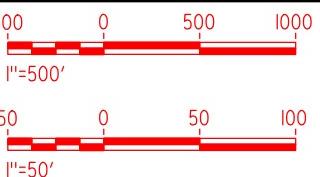


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HORIZ. SCALE:

VERT. SCALE:

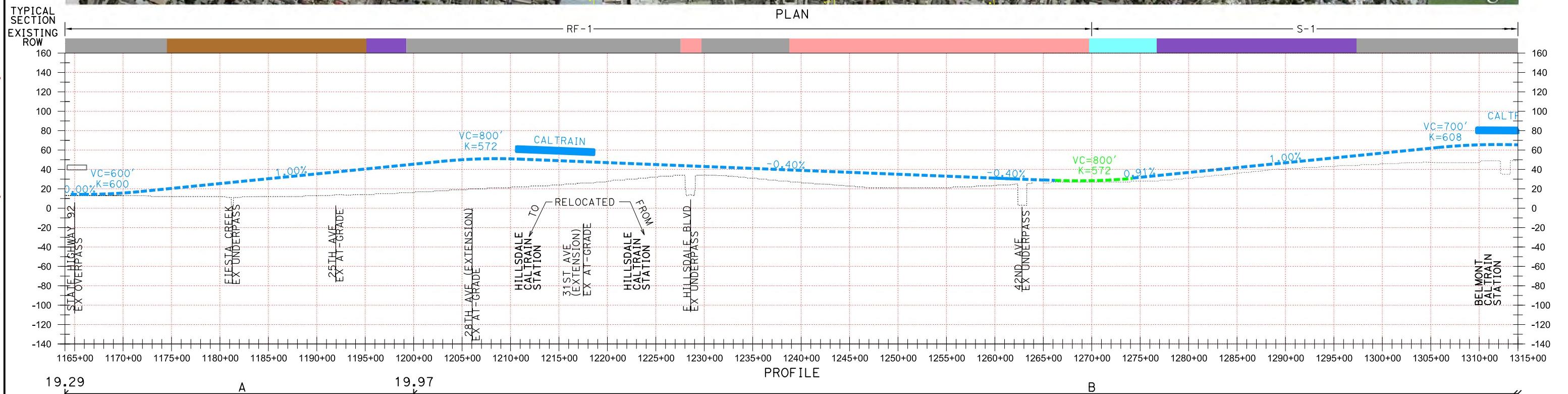
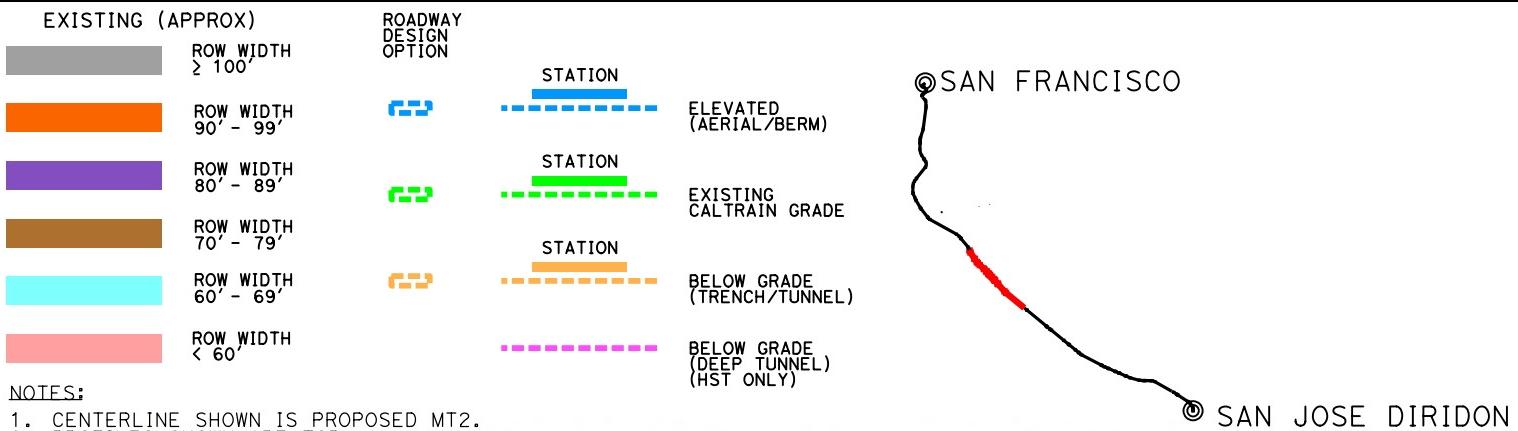


Subsection #4-1 (San Mateo/Belmont)

Length: 7.6 miles Land Use: Urban

North of Highway 92 to North of 5th Avenue (MP. 19.29 to MP. 26.88)

This subsection is located in the Cities of San Mateo, Belmont, San Carlos and Redwood City. For most of the northern portion of this subsection, the existing Caltrain tracks are on a recently constructed embankment that passes over the cross streets. In the southern portion of this subsection the at-grade Caltrain tracks pass through a number of at-grade crossings in downtown Redwood City. There is an existing 4 track segment at the southern end of this subsection.

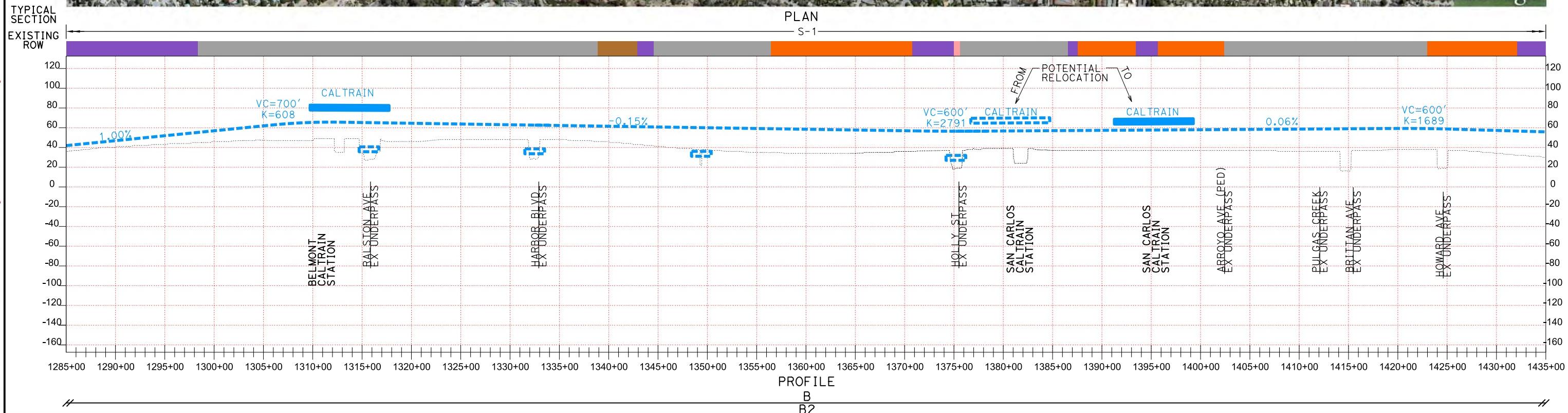
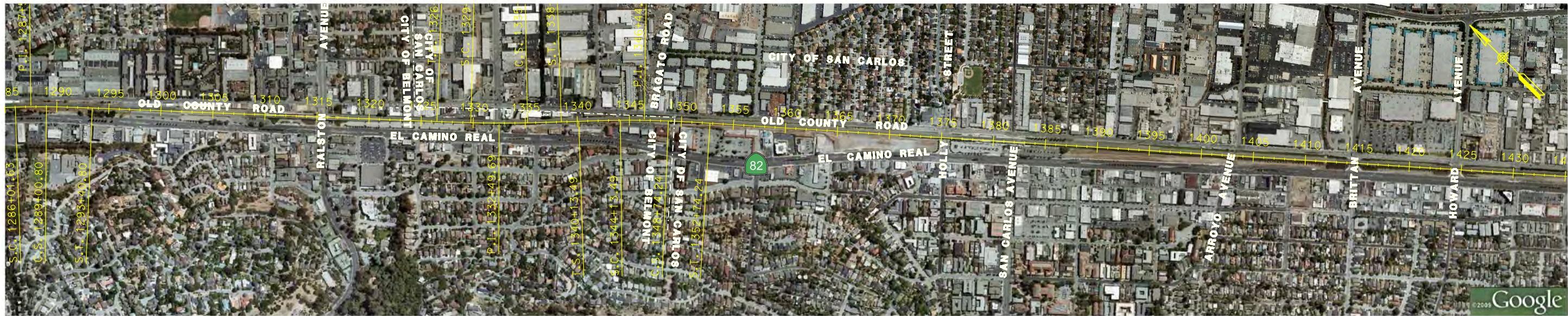
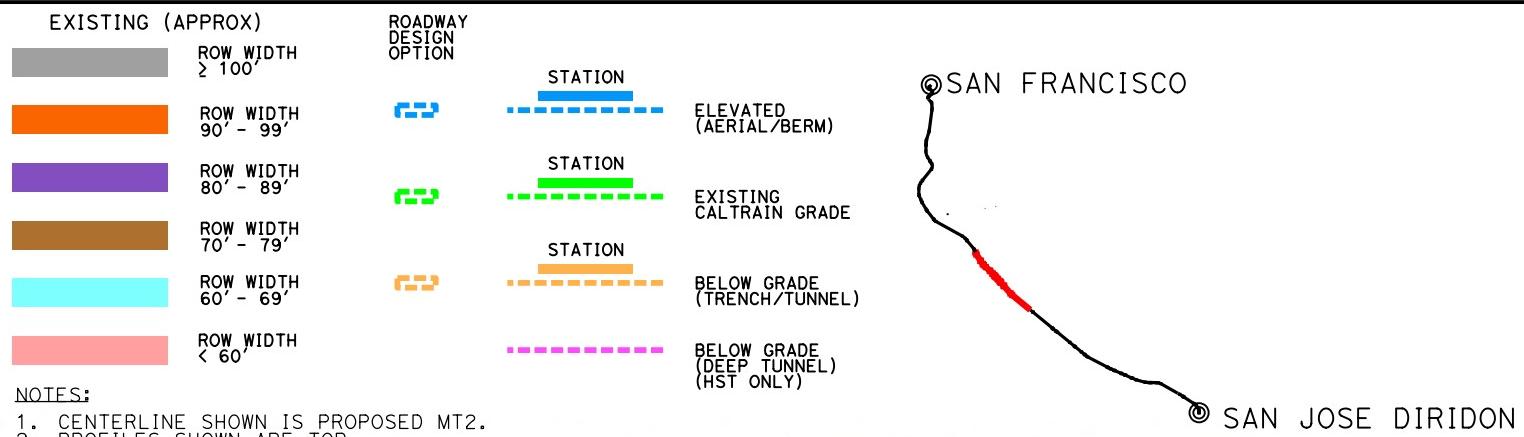


Subsection #4-2 (Belmont/San Carlos)

Length: 7.6 miles Land Use: Urban

North of Highway 92 to North of 5th Avenue (MP. 19.29 to MP. 26.88)

This subsection is located in the Cities of San Mateo, Belmont, San Carlos and Redwood City. For most of the northern portion of this subsection, the existing Caltrain tracks are on a recently constructed embankment that passes over the cross streets. In the southern portion of this subsection the at-grade Caltrain tracks pass through a number of at-grade crossings in downtown Redwood City. There is an existing 4 track segment at the southern end of this subsection.

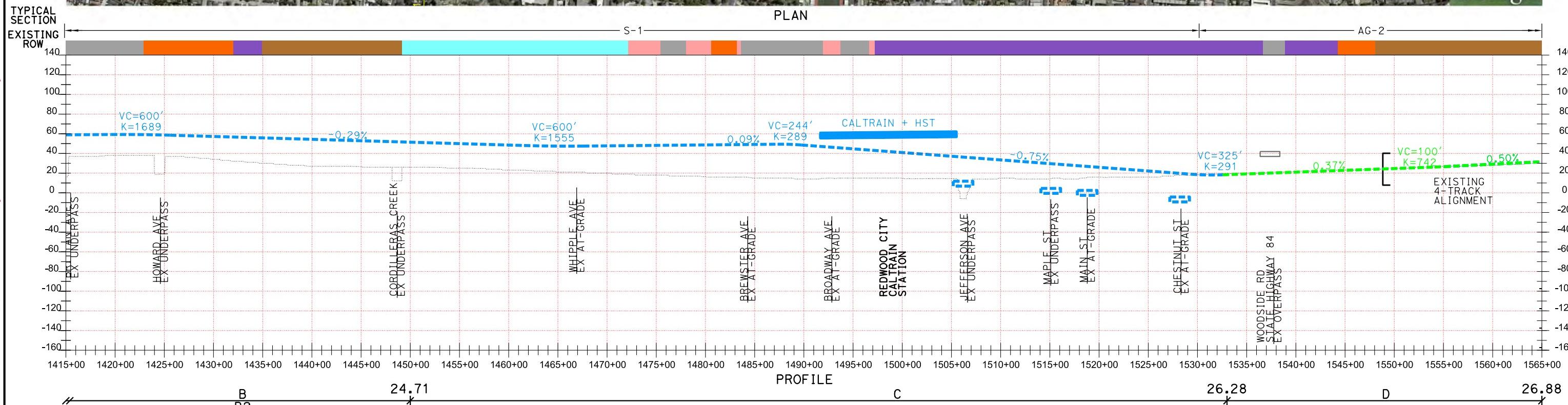
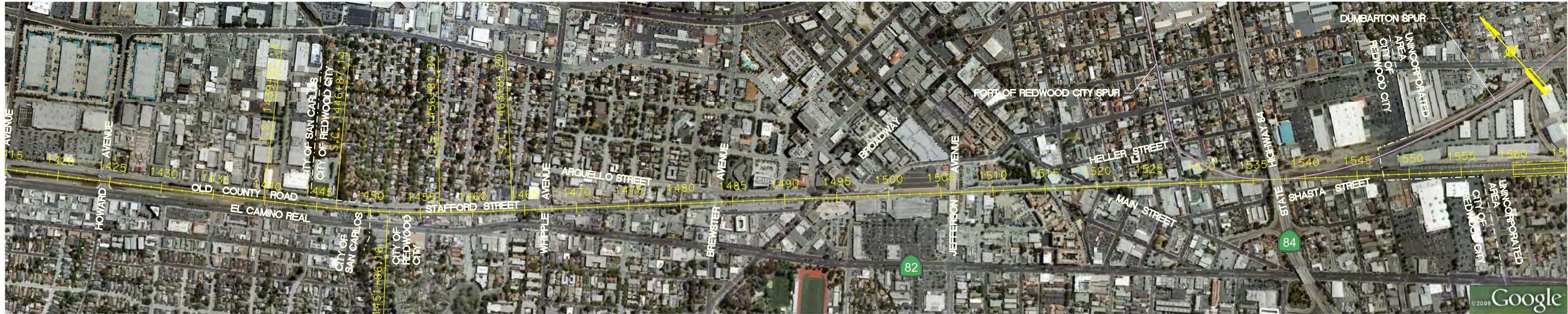
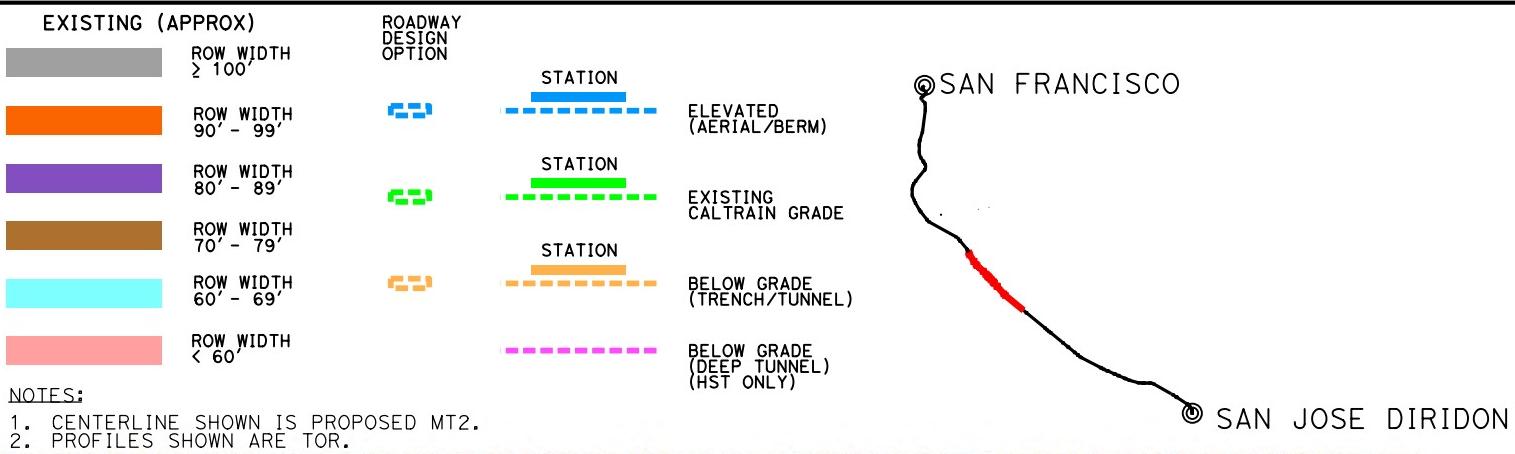


Subsection #4-3 (San Carlos/Redwood City/Unincorporated San Mateo County)

Length: 7.6 miles Land Use: Urban

North of Highway 92 to North of 5th Avenue (MP. 19.29 to MP. 26.88)

This subsection is located in the Cities of San Mateo, Belmont, San Carlos and Redwood City. For most of the northern portion of this subsection, the existing Caltrain tracks are on a recently constructed embankment that passes over the cross streets. In the southern portion of this subsection the at-grade Caltrain tracks pass through a number of at-grade crossings in downtown Redwood City. There is an existing 4 track segment at the southern end of this subsection.

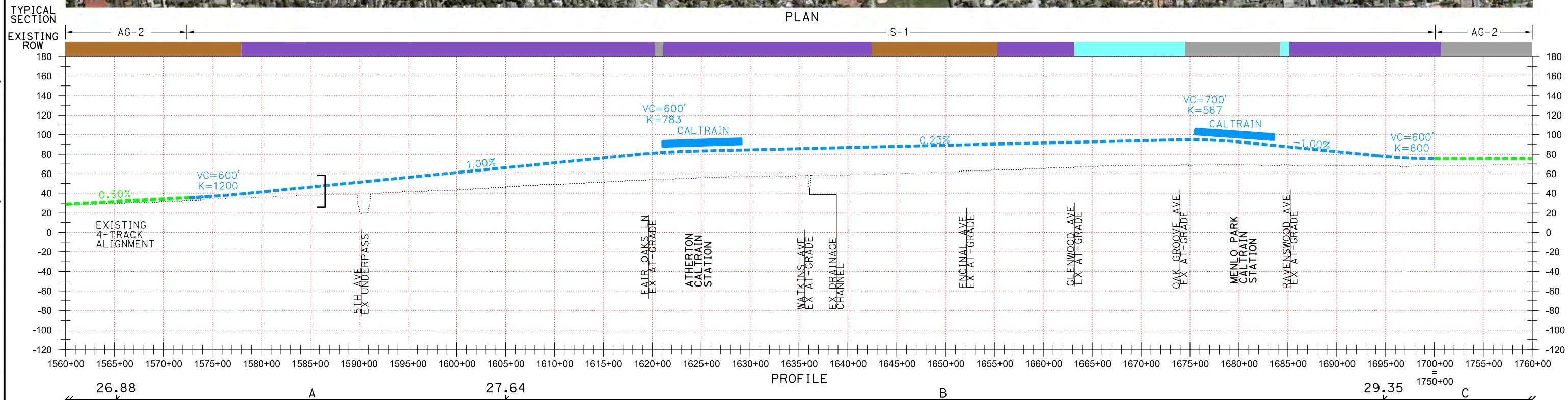
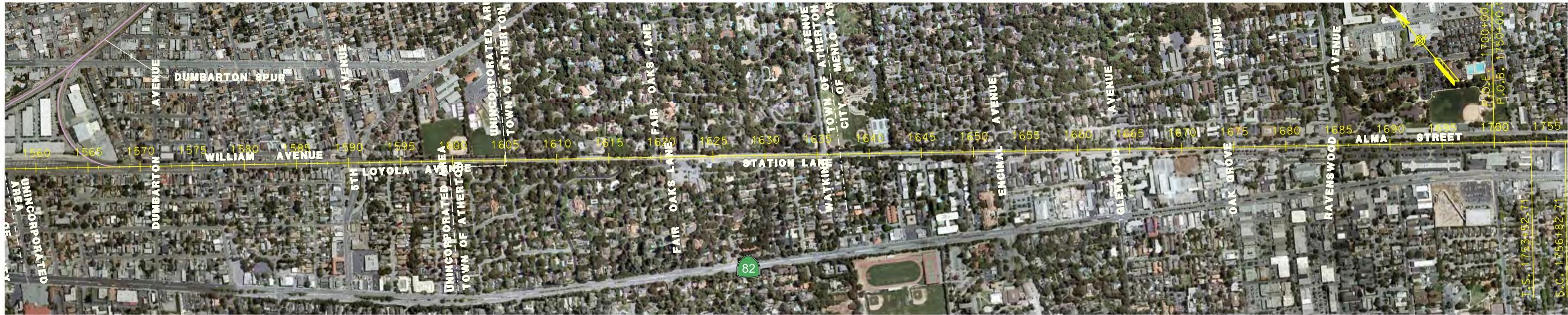
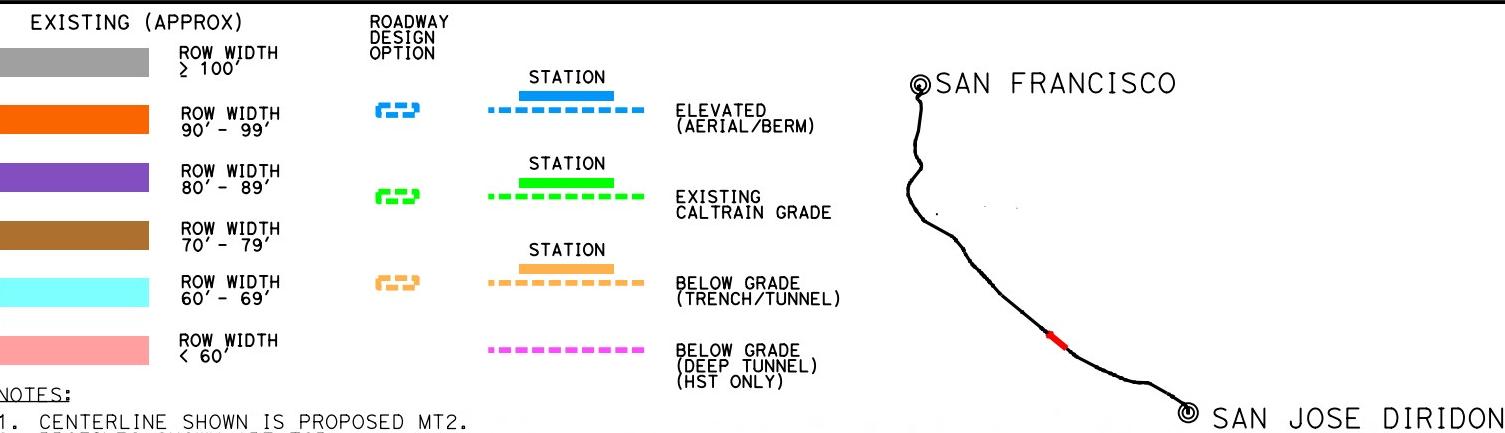


Subsection #5-1 (Unincorporated San Mateo County/Atherton/Menlo Park)

Length: 2.8 miles Land Use: Urban

North of 5th Avenue to North of SCL/SM County Line (MP. 26.88 to MP. 29.72)

This subsection is located in the Cities of Atherton and Menlo Park, with a small portion in unincorporated San Mateo County. The Caltrain tracks are at-grade, and with one exception, all street crossings are at-grade. Generally, the streets that cross the tracks are two-lane collectors serving residential areas. In most cases, these streets are integral parts of the local street network.

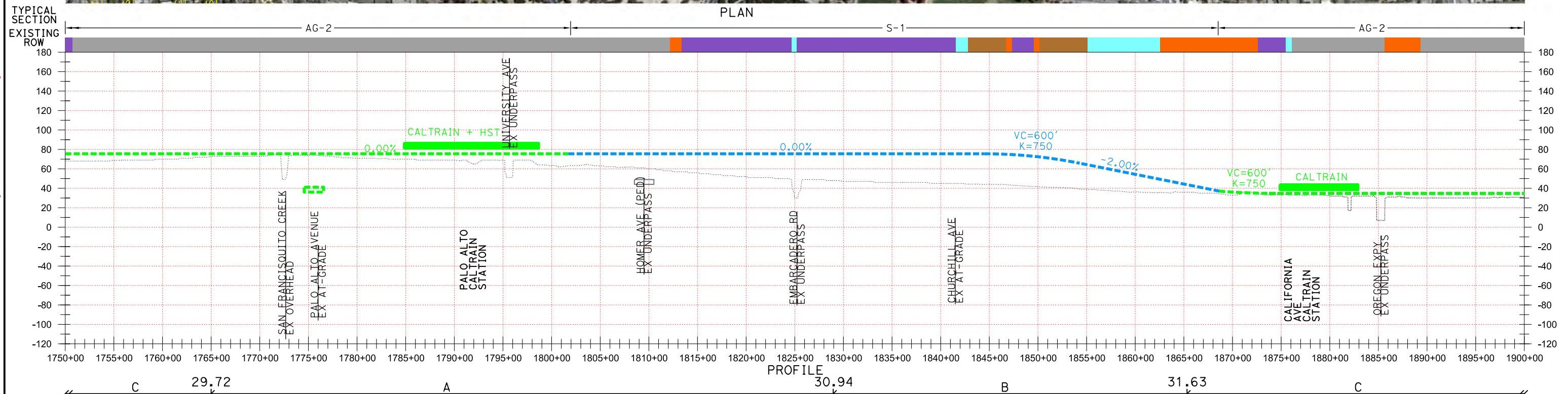
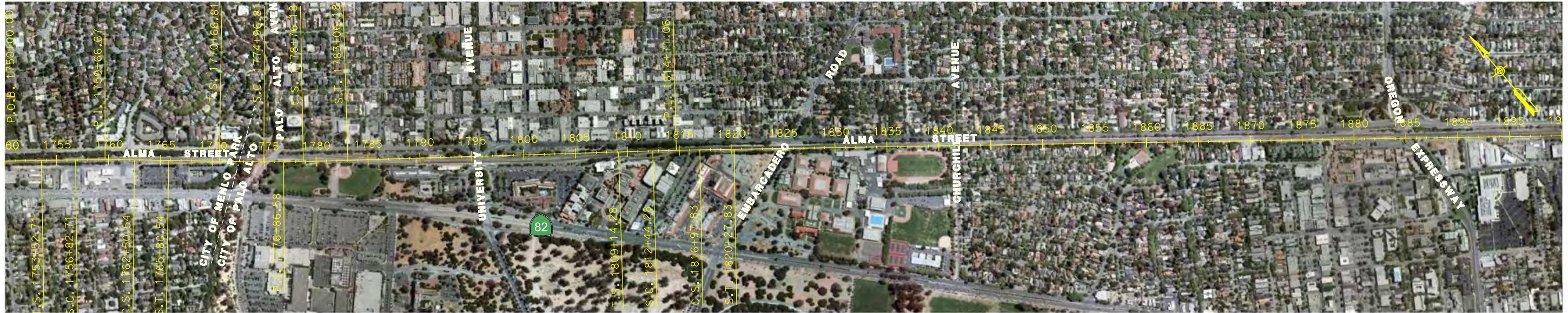
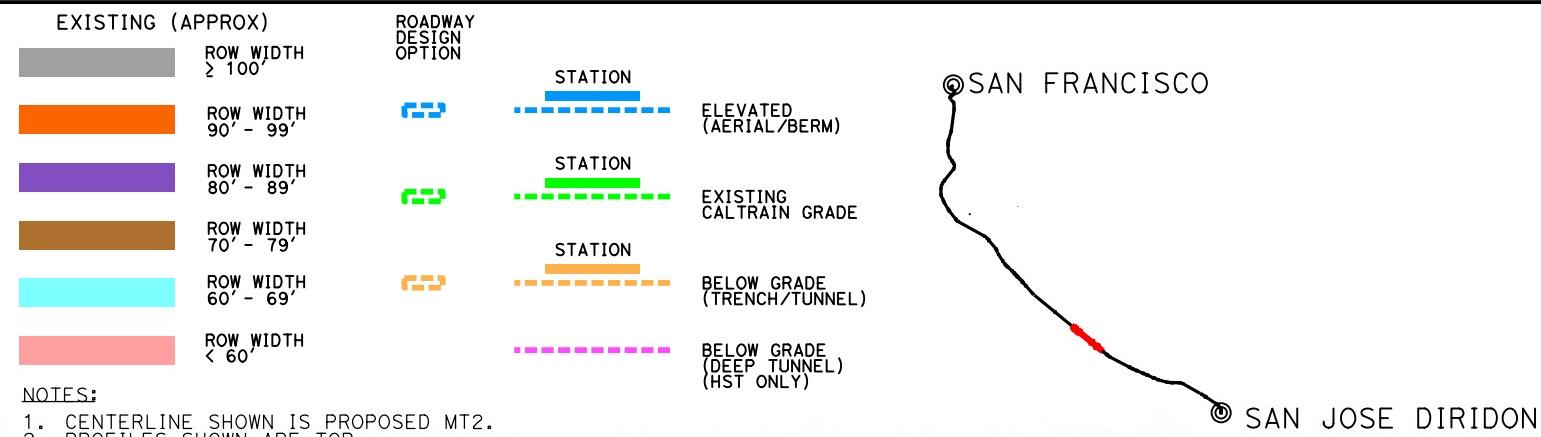


Subsection #6-1 (Menlo Park/Palo Alto)

Length: 3.9 miles Land Use: Urban

North of SCL/SM County Line to North of Adobe Creek (MP. 29.72 to MP. 33.61)

This subsection is located in the City of Palo Alto. The Caltrain tracks are at-grade and all of the streets that are grade separated pass under the tracks. Several at-grade crossings occur between the grade separations. Alma Street runs alongside the Caltrain tracks for the entire length of this subsection.



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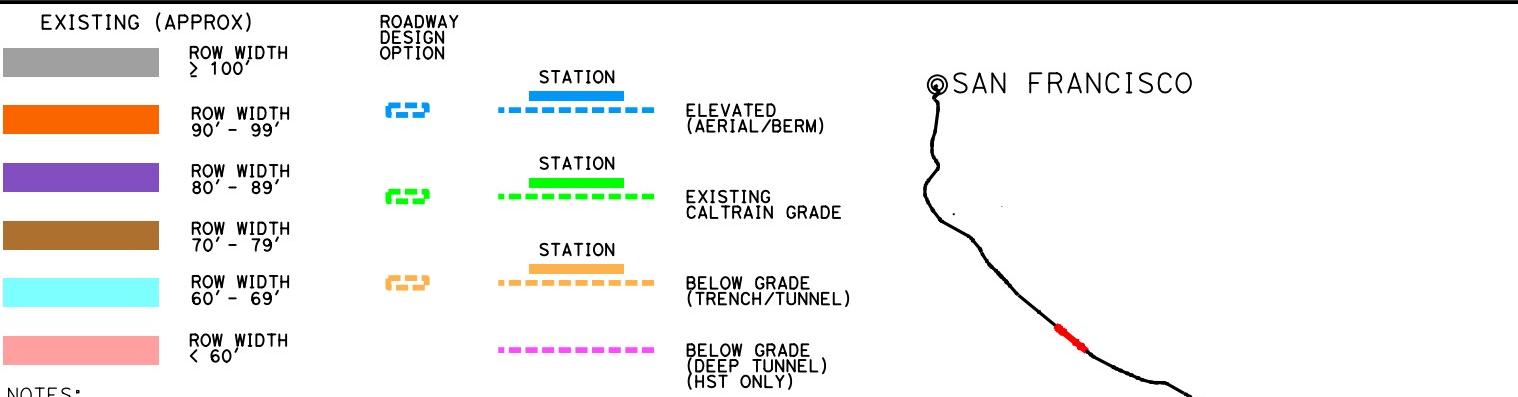
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1"=500'
VERT. SCALE: 50' 0' 50' 100'
1"=50'

Subsection #6-2 (Palo Alto)

Length: 3.9 miles Land Use: Urban

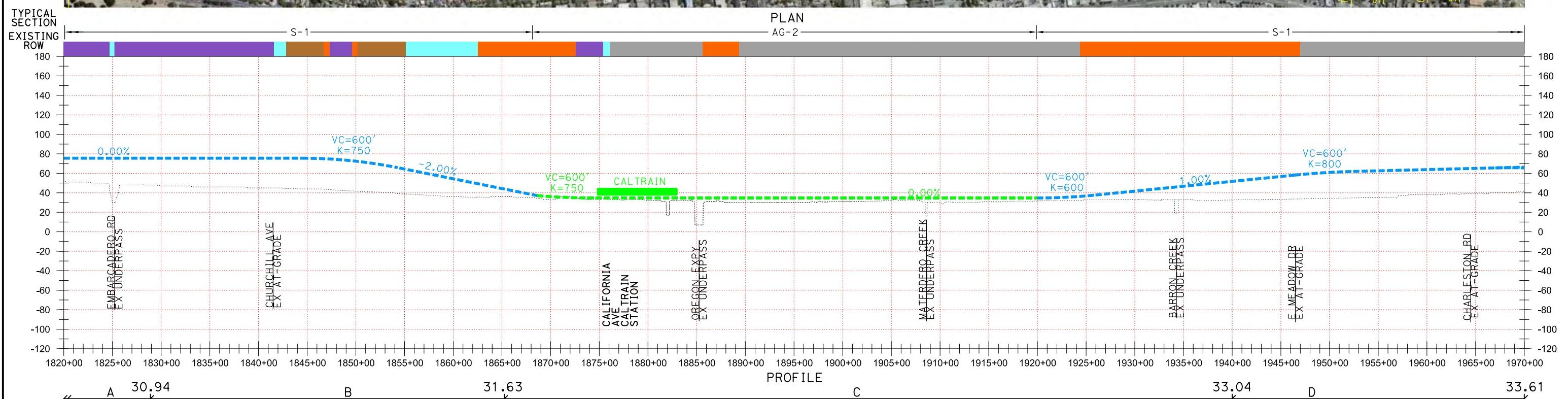
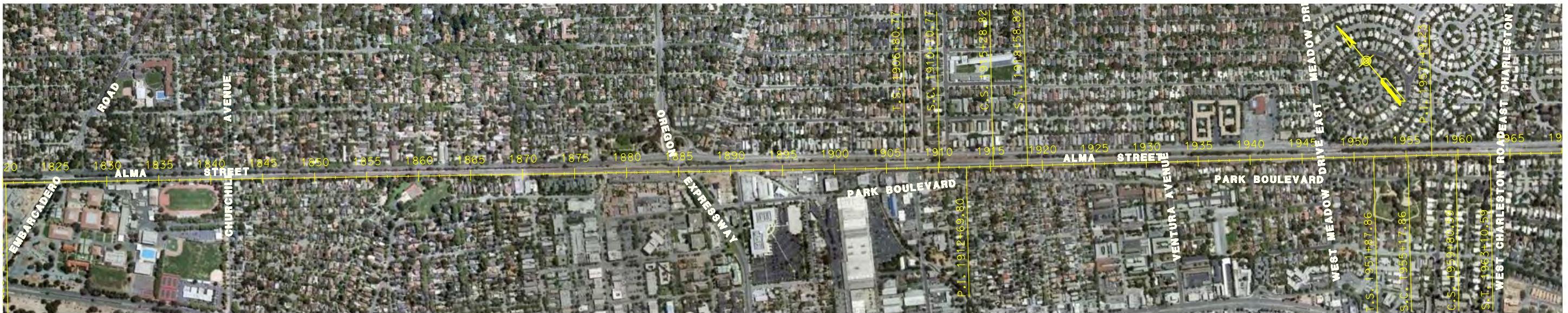
North of SCL/SM County Line to North of Adobe Creek (MP. 29.72 to MP. 33.61)

This subsection is located in the City of Palo Alto. The Caltrain tracks are at-grade and all of the streets that are grade separated pass under the tracks. Several at-grade crossings occur between the grade separations. Alma Street runs alongside the Caltrain tracks for the entire length of this subsection.



NOTES:

1. CENTERLINE SHOWN IS PROPOSED MT2.
2. PROFILES SHOWN ARE TOR.



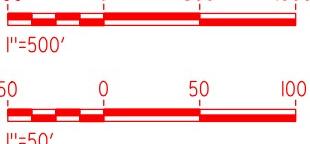
San Francisco - San Jose

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August 2010

HORIZ. SCALE:



VERT. SCALE:

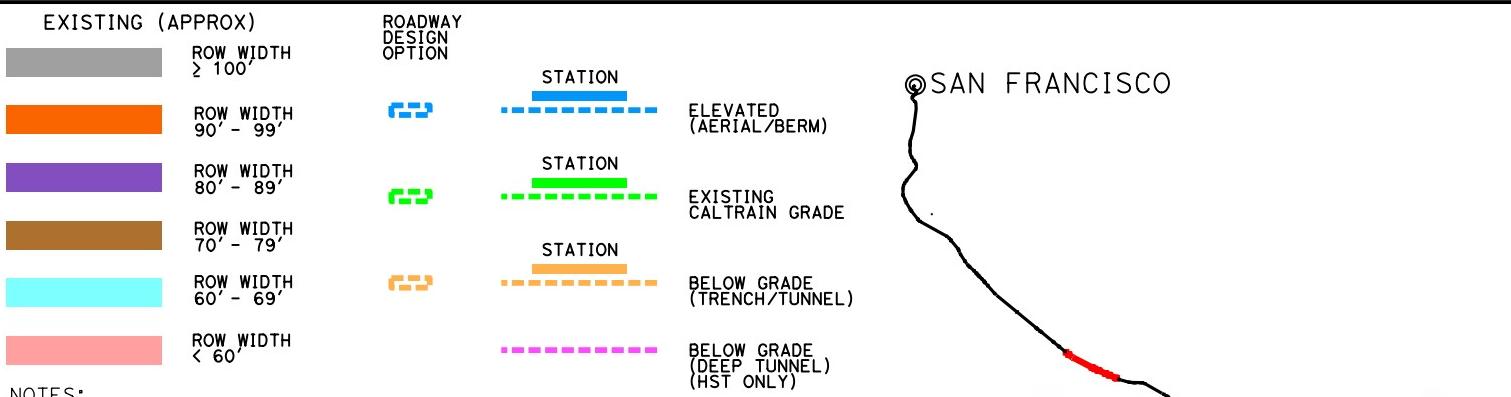


Subsection #7-1 (Palo Alto/Mountain View)

Length: 5.7 miles Land Use: Urban

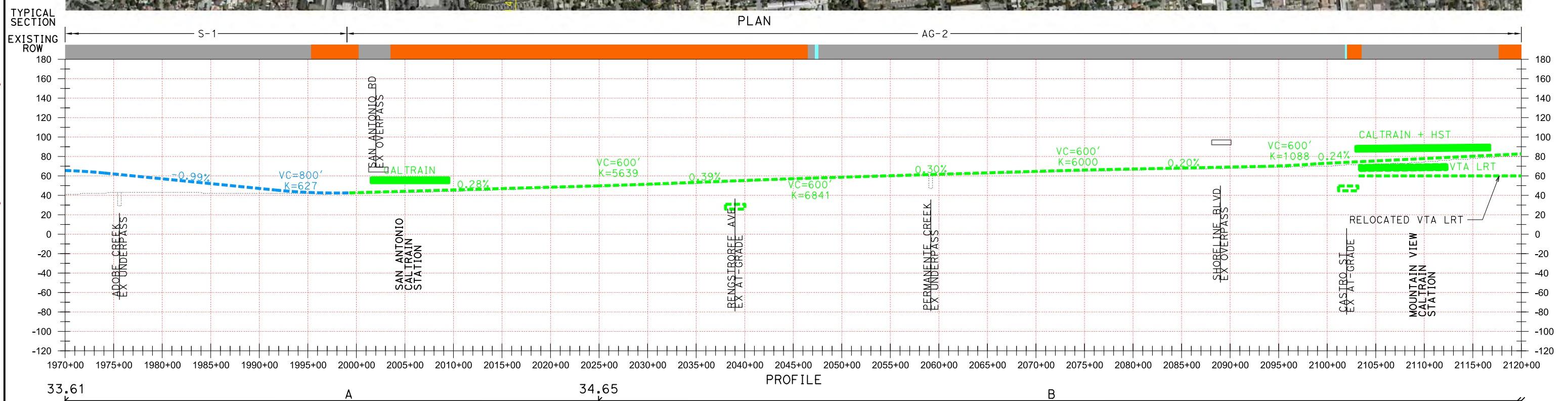
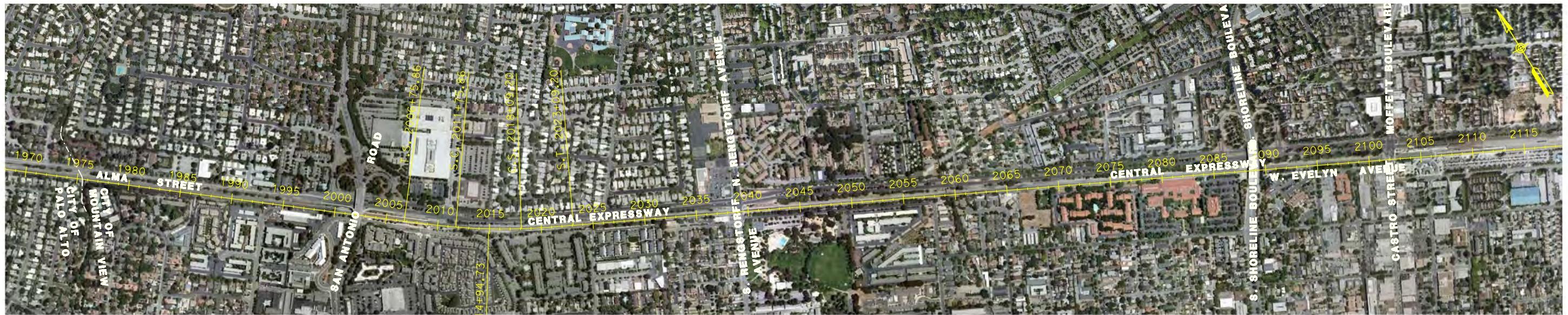
North of Adobe Creek to North of Fair Oaks Avenue (MP. 33.61 to MP. 39.29)

This subsection is located in the Cities of Mountain View and Sunnyvale. The Caltrain tracks are at-grade and all grade separated crossings pass over the tracks. Several at-grade crossings occur between the grade separations. Central Expressway and Evelyn Avenue run alongside the Caltrain tracks for a large portion of this subsection.



NOTES:

1. CENTERLINE SHOWN IS PROPOSED MT2.
2. PROFILES SHOWN ARE TOR.



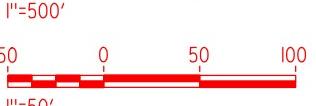
San Francisco - San Jose

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HORIZ. SCALE:



VERT. SCALE:

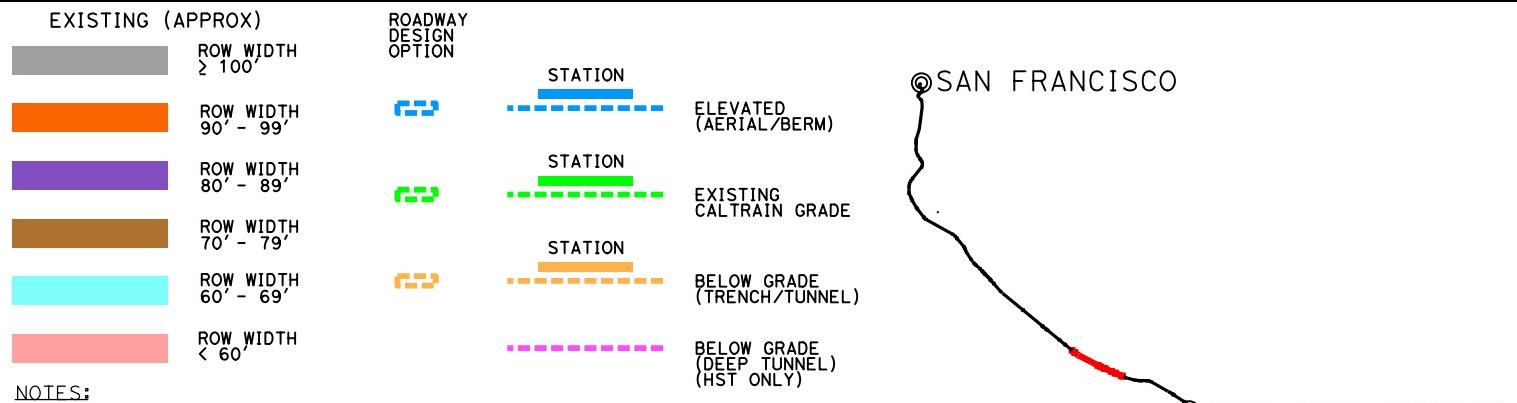


Subsection #7-2 (Mountain View/Sunnyvale)

Length: 5.7 miles Land Use: Urban

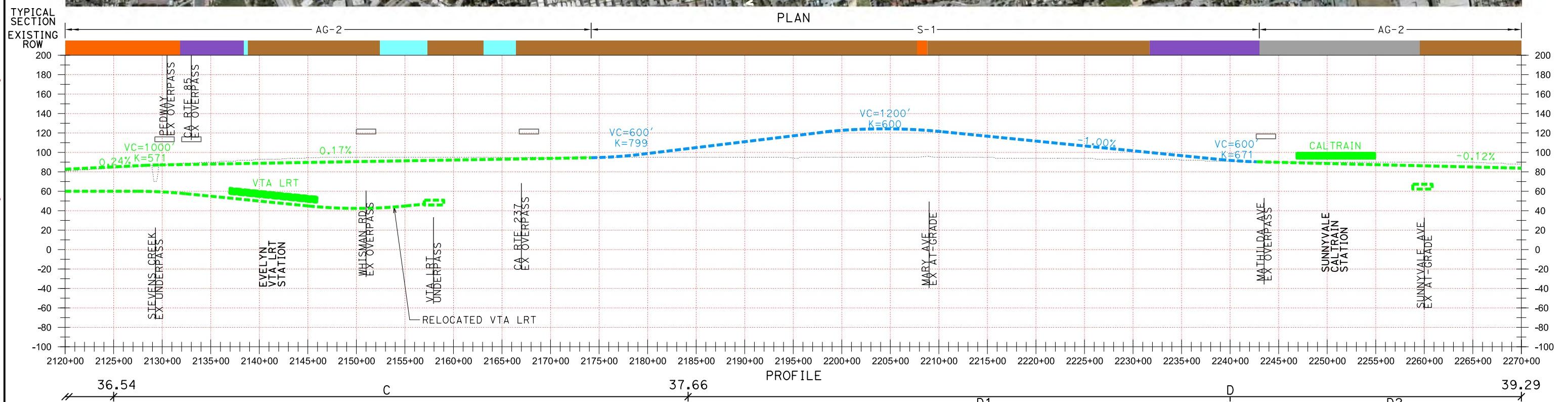
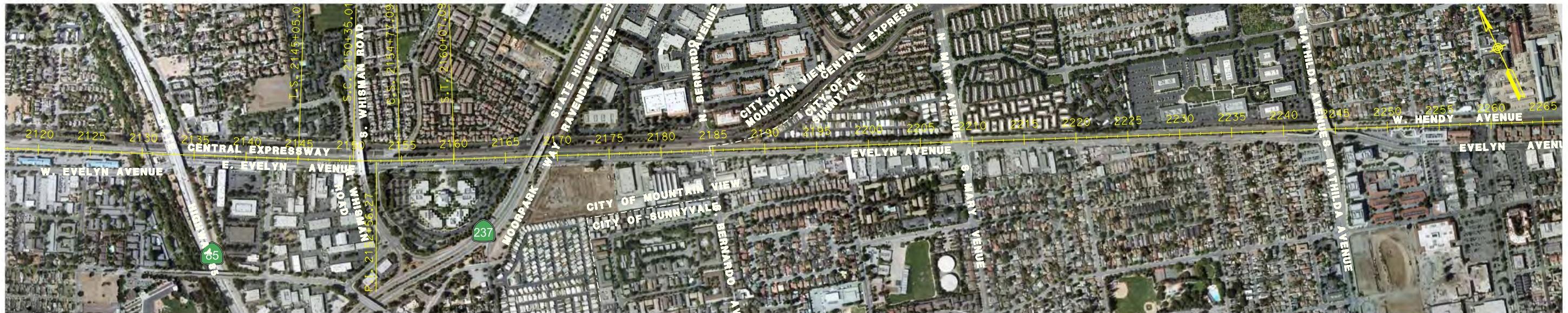
North of Adobe Creek to North of Fair Oaks Avenue (MP. 33.61 to MP. 39.29)

This subsection is located in the Cities of Mountain View and Sunnyvale. The Caltrain tracks are at-grade and all grade separated crossings pass over the tracks. Several at-grade crossings occur between the grade separations. Central Expressway and Evelyn Avenue run alongside the Caltrain tracks for a large portion of this subsection.



NOTES:

1. CENTERLINE SHOWN IS PROPOSED MT2.
2. PROFILES SHOWN ARE TOR.



San Francisco - San Jose

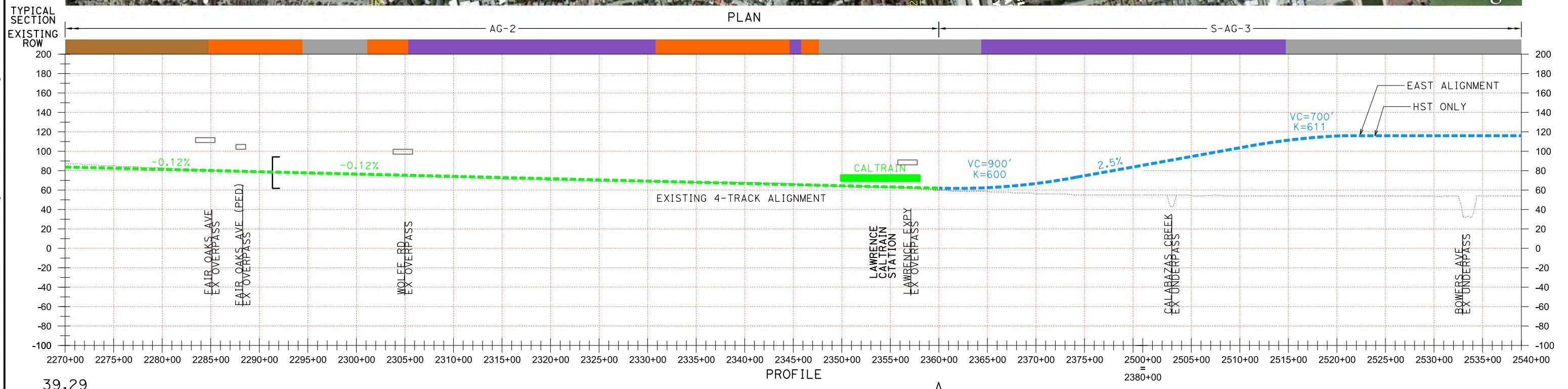
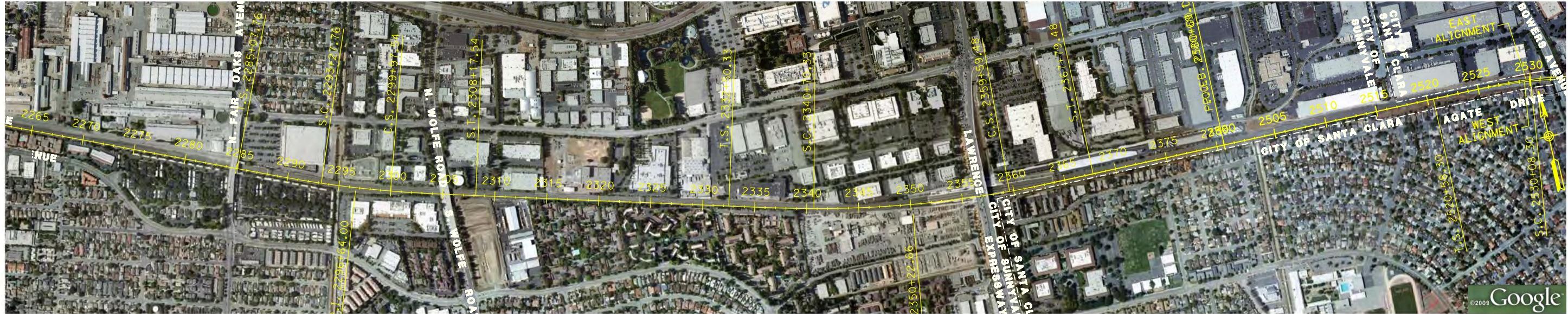
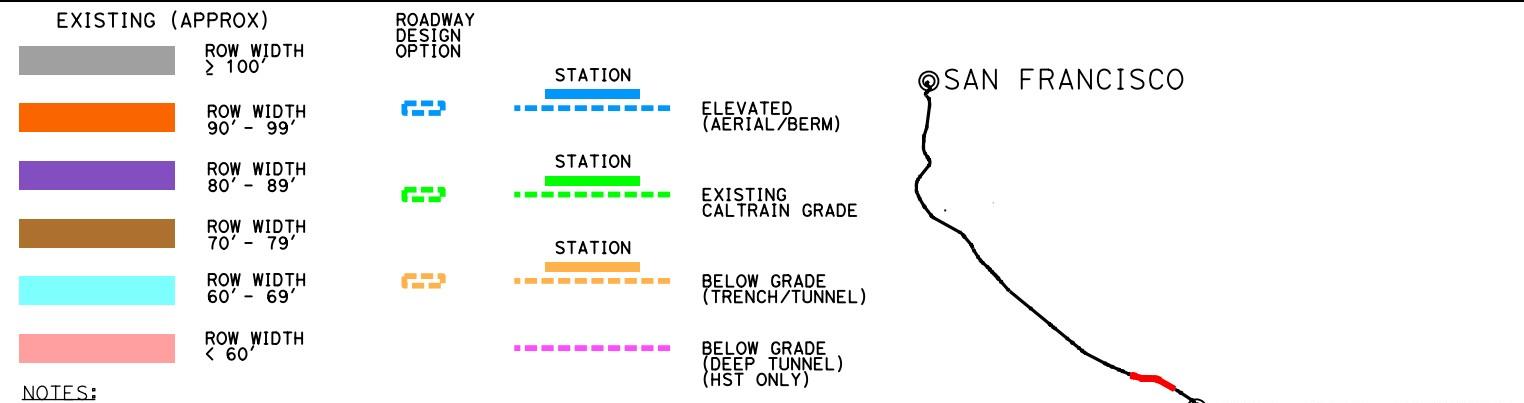
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HORIZ. SCALE: 500 0 500 1000
1"=500'
VERT. SCALE: 50 0 50 100
1"=50'

Subsection #8-1 (Sunnyvale/Santa Clara)

Length: 4.7 miles Land Use: Urban

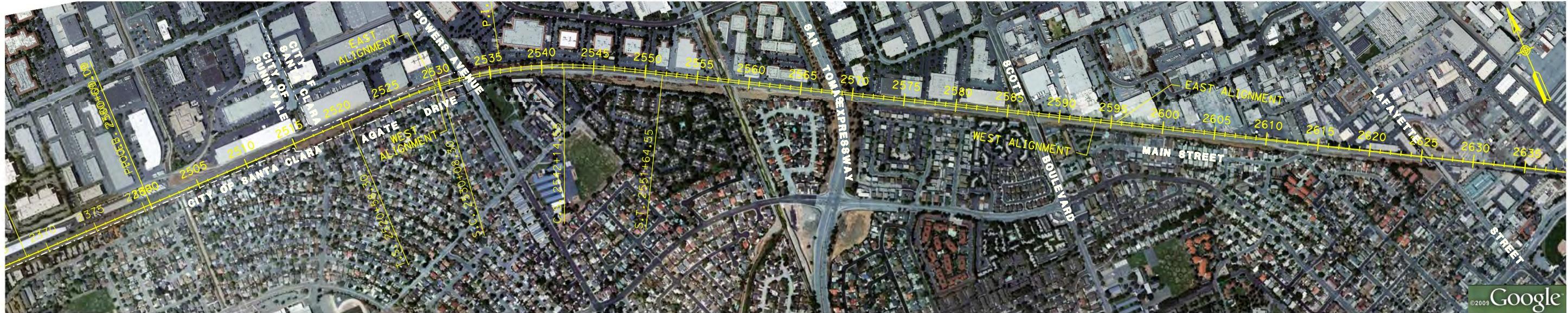
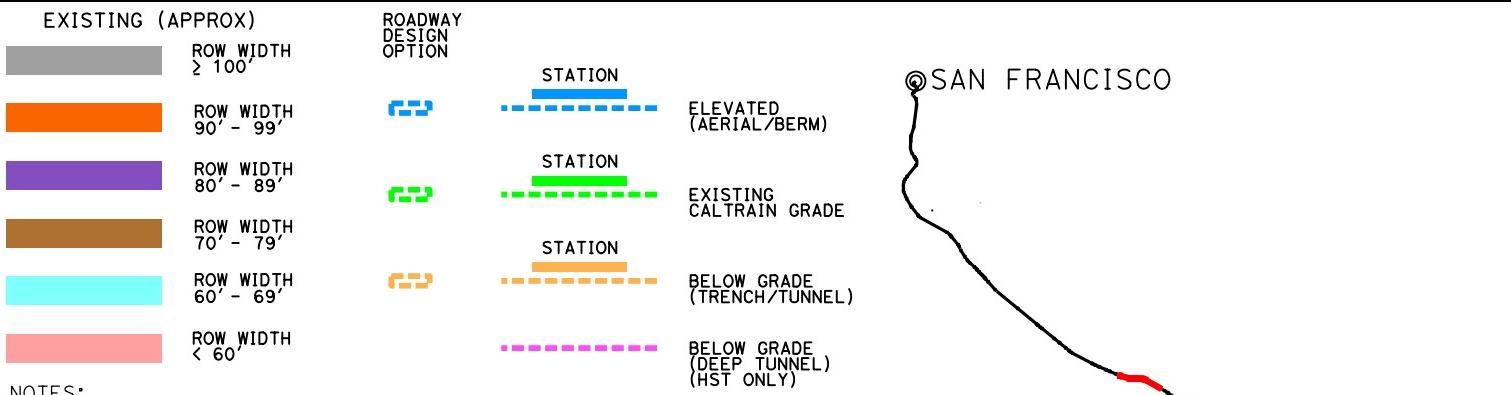
North of Fair Oaks Avenue to South of De La Cruz Boulevard (MP. 39.29 to MP. 44.04)
 This subsection is located in the Cities of Sunnyvale and Santa Clara. The Caltrain tracks are at-grade and all crossings are grade separated. Most of the crossings pass over the tracks. This subsection includes an existing 4-track segment near Lawrence Expressway.



Subsection #8-2 (Santa Clara)

Length: 4.7 miles Land Use: Urban

North of Fair Oaks Avenue to South of De La Cruz Boulevard (MP. 39.29 to MP. 44.04)
 This subsection is located in the Cities of Sunnyvale and Santa Clara. The Caltrain tracks are at-grade and all crossings are grade separated. Most of the crossings pass over the tracks. This subsection includes an existing 4-track segment near Lawrence Expressway.



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HORIZ. SCALE:

VERT. SCALE:

500' 0' 500' 1000'
1"=500'

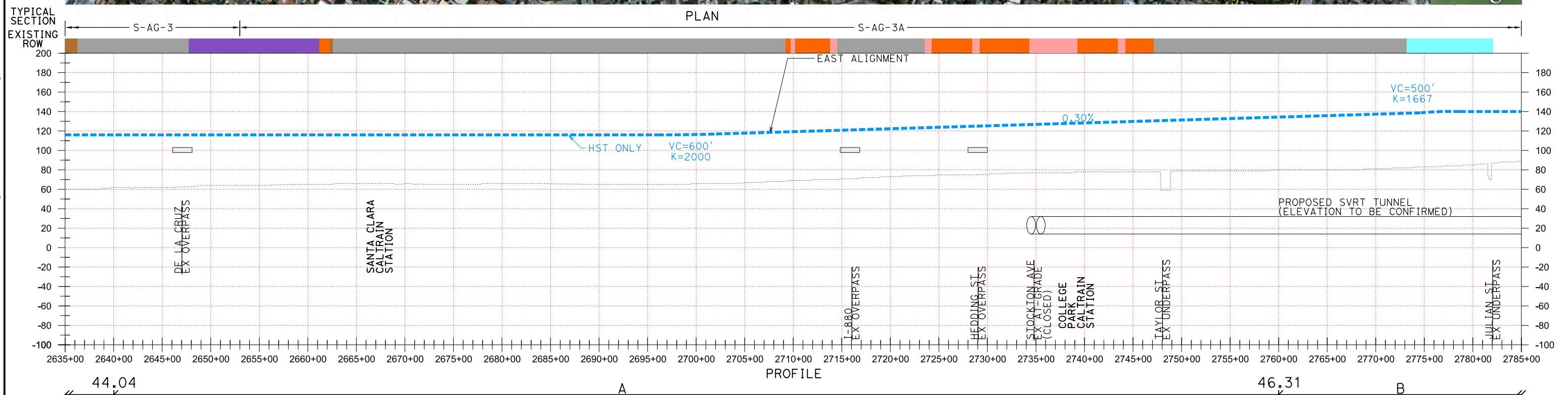
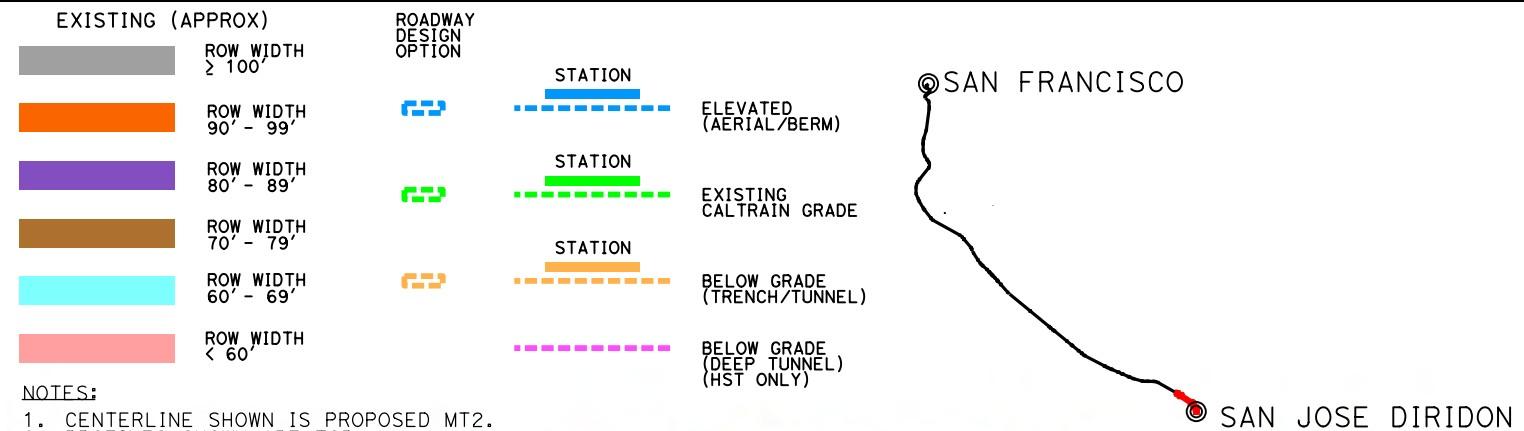
50' 0' 50' 100'
1"=50'

Subsection #9 (a)-1 (Santa Clara/San Jose)

Length: 3.5 miles Land Use: Urban

North of De La Cruz Boulevard to San Jose Diridon Station (MP. 44.04 to MP. 47.54)

This subsection is located in the Cities of San Jose and Santa Clara. The Caltrain tracks are at-grade and all crossings are grade separated. Besides Caltrain, this subsection is also used by ACE, Capitol Corridor and Amtrak long distance passenger trains and UPRR through freight trains. The future BART extension will also run alongside this subsection, primarily in a tunnel.



San Francisco - San Jose

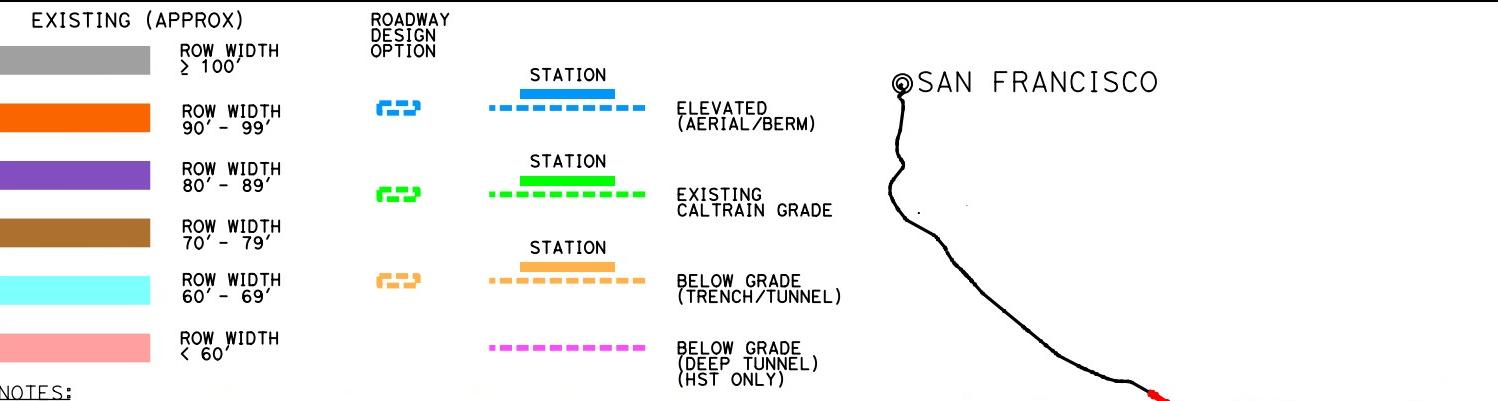
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August 2010

Subsection #9 (a) - 2 (San Jose)

Length: 3.5 miles Land Use: Urban

North of De La Cruz Boulevard to San Jose Diridon Station (MP. 44.04 to MP. 47.54)

This subsection is located in the Cities of San Jose and Santa Clara. The Caltrain tracks are at-grade and all crossings are grade separated. Besides Caltrain, this subsection is also used by ACE, Capitol Corridor and Amtrak long distance passenger trains and UPRR through freight trains. The future BART extension will also run alongside this subsection, primarily in a tunnel.



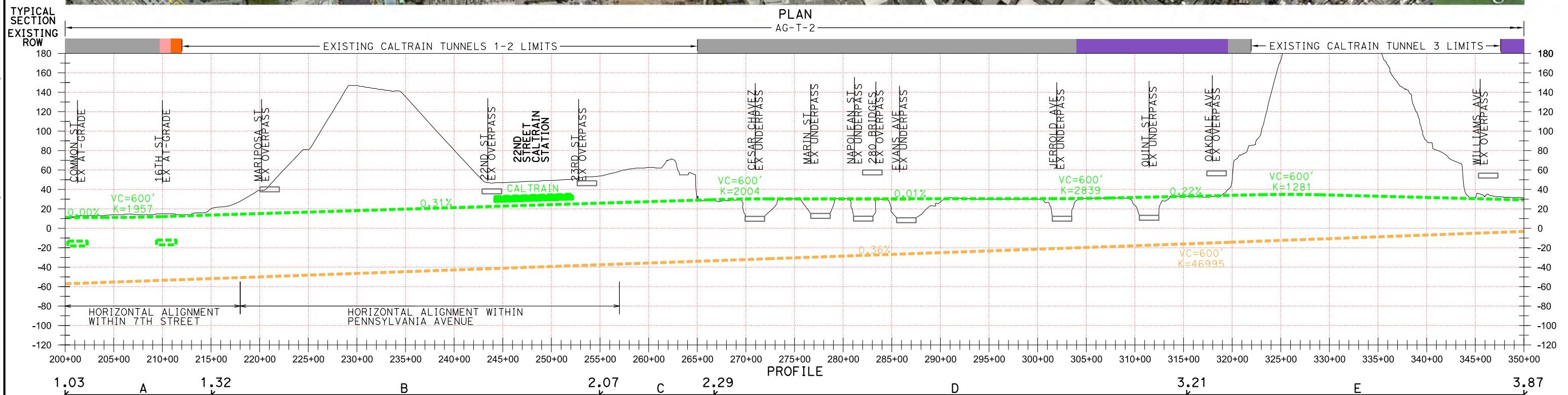
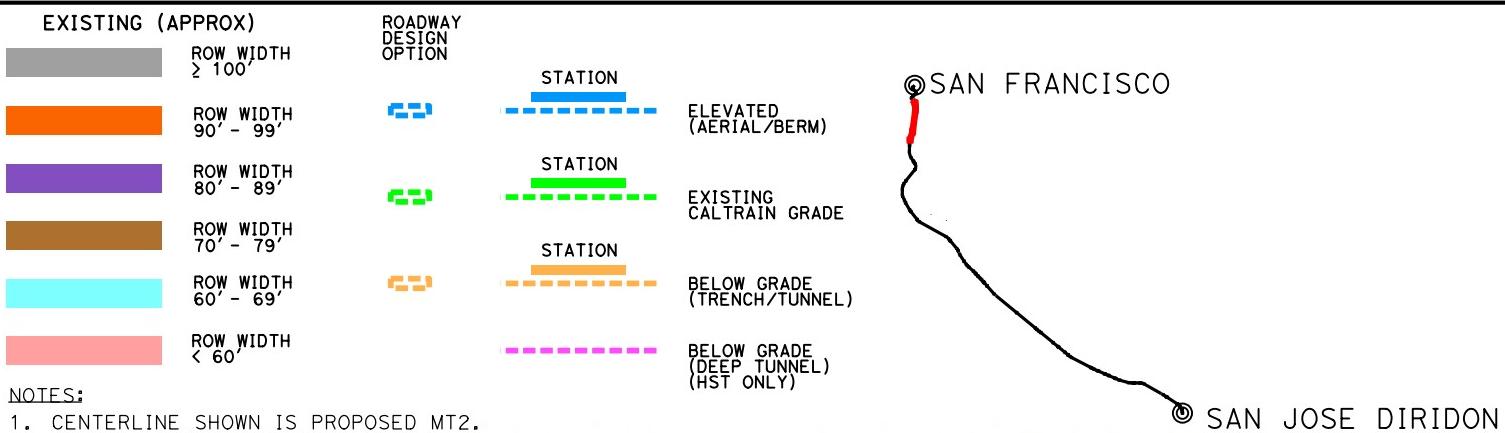
Option B/B1

Subsection #1-1 (San Francisco)

Length: 4.8 miles Land Use: Urban

North of Common Street to South Portal Tunnel No. 4 (MP. 1.03 to MP. 5.77)

This subsection is located within the City and County of San Francisco. Except for two crossings near Mission Bay, all other street crossings in this subsection are grade separated. The existing Caltrain alignment passes through a series of hills and valleys necessitating 4 tunnels and several embankment and trench segments. The I-280 freeway structure above the tracks and its supporting columns are constraints in the northern portion of the subsection.



San Francisco - San Jose

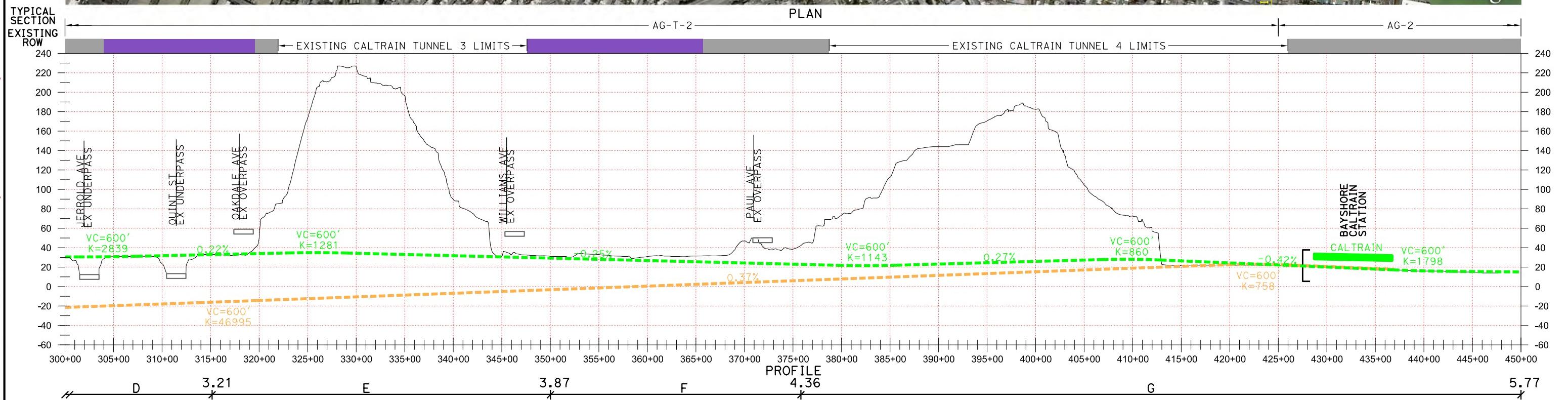
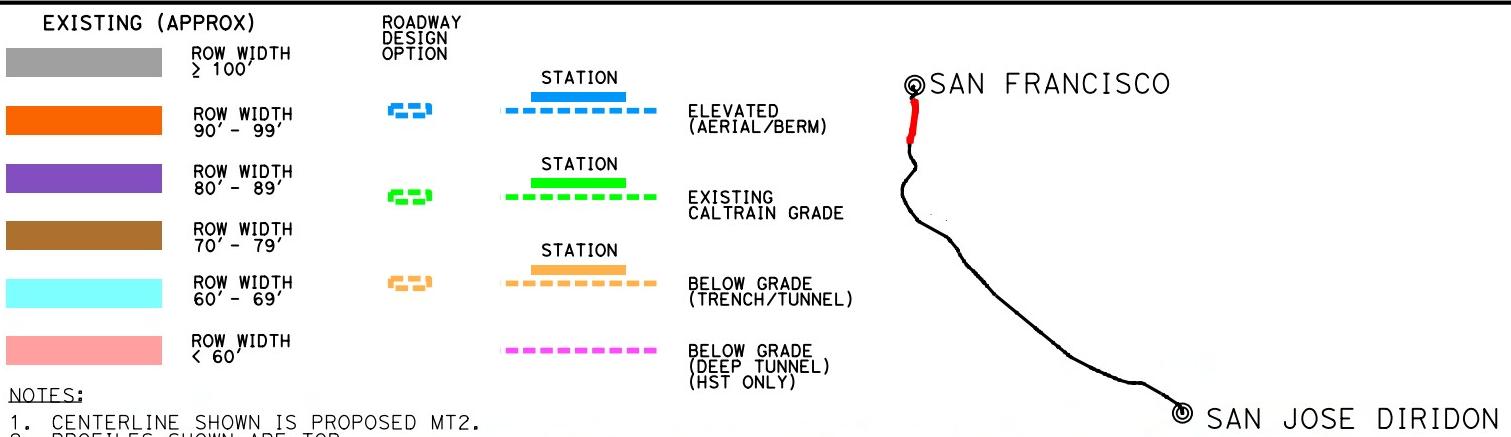
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Subsection #1-2 (San Francisco/Brisbane)

Length: 4.8 miles Land Use: Urban

North of Common Street to South Portal Tunnel No. 4 (MP. 1.03 to MP. 5.77)

This subsection is located within the City and County of San Francisco. Except for two crossings near Mission Bay, all other street crossings in this subsection are grade separated. The existing Caltrain alignment passes through a series of hills and valleys necessitating 4 tunnels and several embankment and trench segments. The I-280 freeway structure above the tracks and its supporting columns are constraints in the northern portion of the subsection.



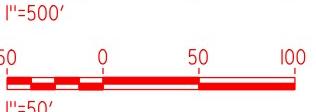
San Francisco - San Jose

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August 2010

HORIZ. SCALE:



VERT. SCALE:

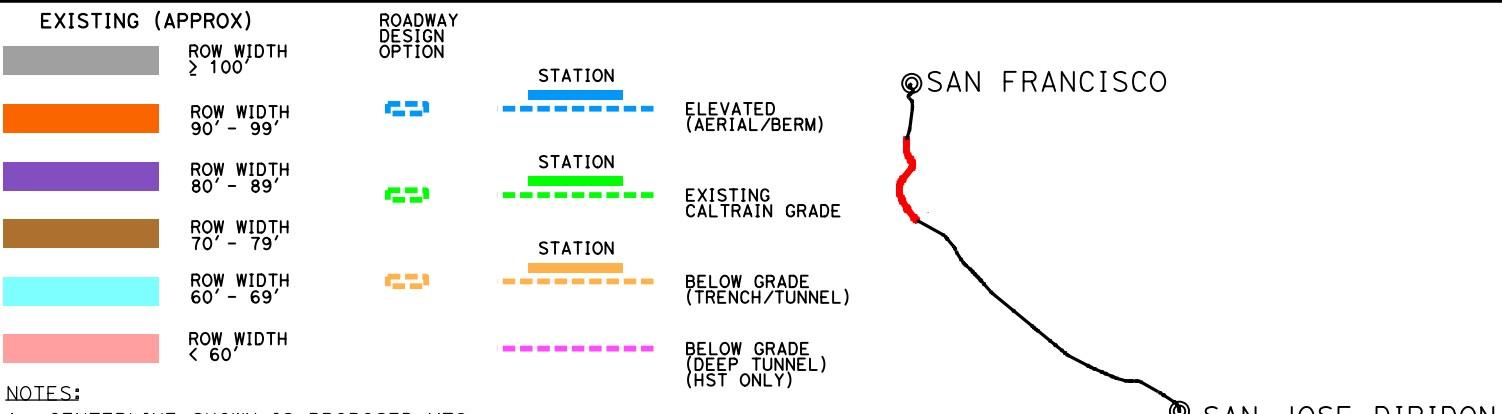


Subsection #2-1 (San Francisco/Brisbane)

Length: 8.6 miles Land Use: Urban

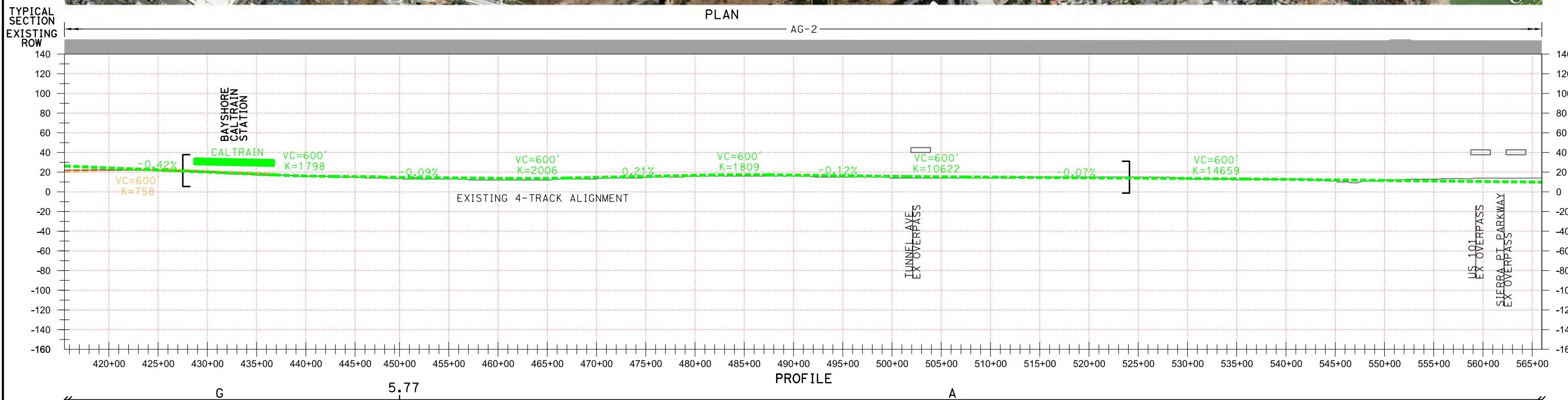
South Portal Tunnel No. 4 to South of Millbrae Avenue (MP. 5.77 to MP. 14.38)

This subsection is located in the Cities of Brisbane, South San Francisco, San Bruno and Millbrae. The existing Caltrain alignment is at-grade in this subsection and many crossings are grade separated. The northern portion of this subsection is completely grade separated and includes an existing 4-track segment in Brisbane. In the southern portion of the subsection, BART runs underneath and alongside the Caltrain tracks.



NOTES:

1. CENTERLINE SHOWN IS PROPOSED MT2.
2. PROFILES SHOWN ARE TOR.



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HORIZ. SCALE:



VERT. SCALE:



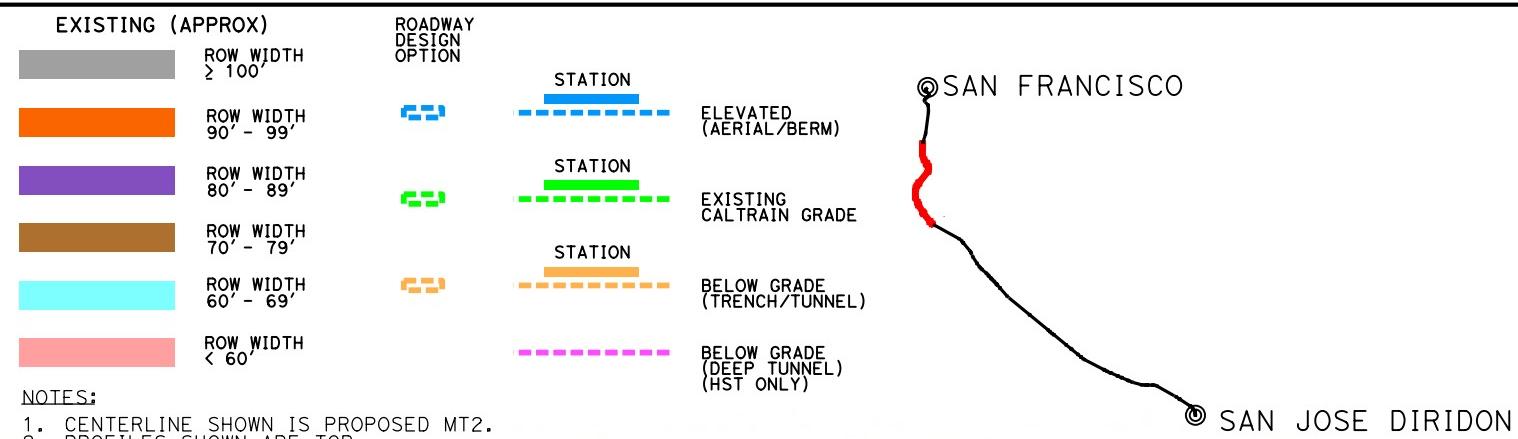
Subsection #2-2

(Brisbane/South San Francisco/
San Bruno)

Length: 8.6 miles Land Use: Urban

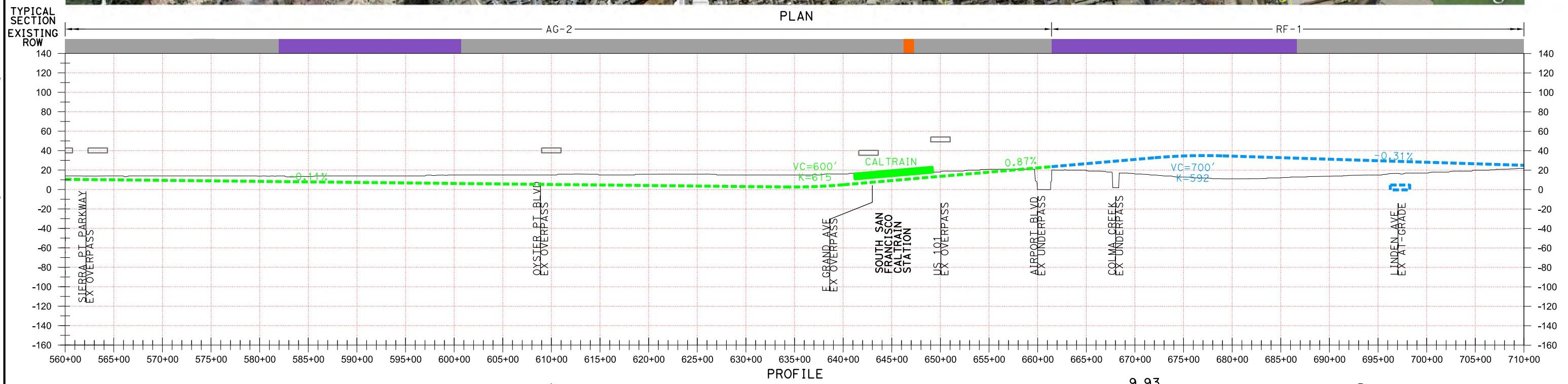
South Portal Tunnel No. 4 to South of Millbrae Avenue (MP. 5.77 to MP. 14.38)

This subsection is located in the Cities of Brisbane, South San Francisco, San Bruno and Millbrae. The existing Caltrain alignment is at-grade in this subsection and many crossings are grade separated. The northern portion of this subsection is completely grade separated and includes an existing 4-track segment in Brisbane. In the southern portion of the subsection, BART runs underneath and alongside the Caltrain tracks.



1. CE

1. CENTERLINE SHOWN IS PROPOSED MTZ
 2. PROFILES SHOWN ARE TOR.



San Francisco - San Jose

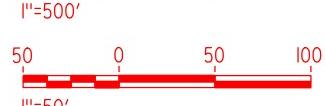
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HORIZ. SCALE:



VERT. SCALE:



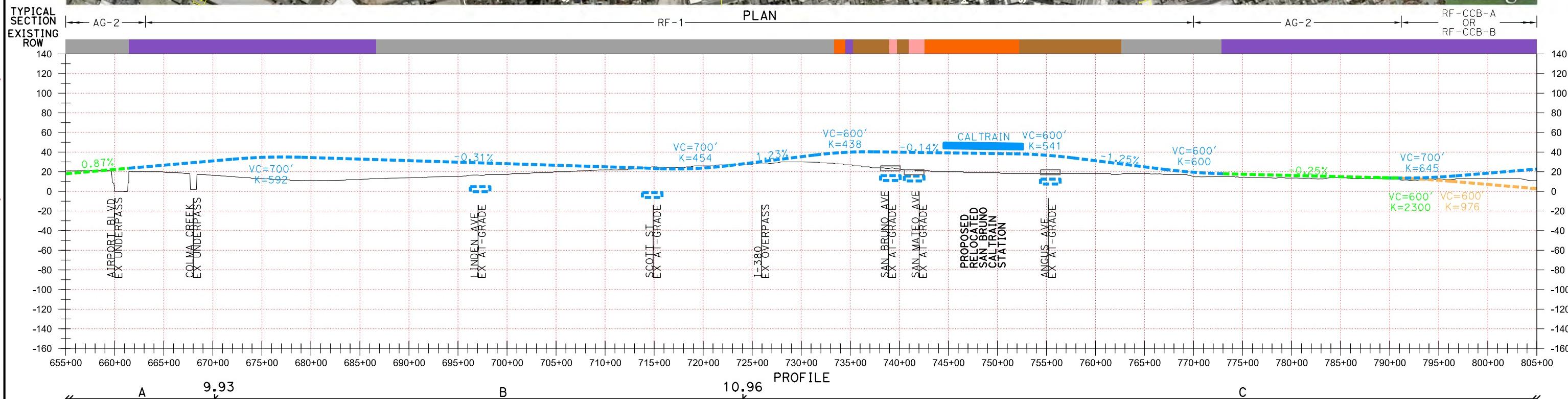
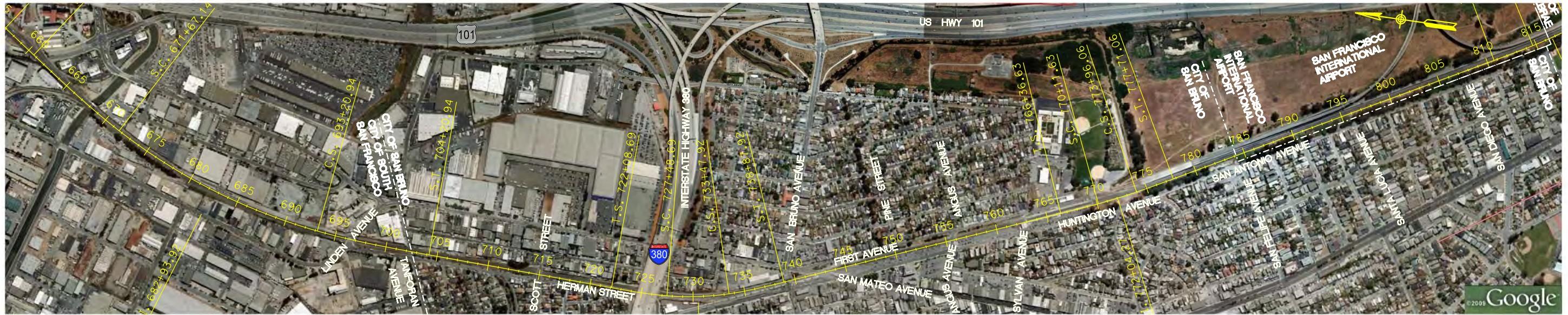
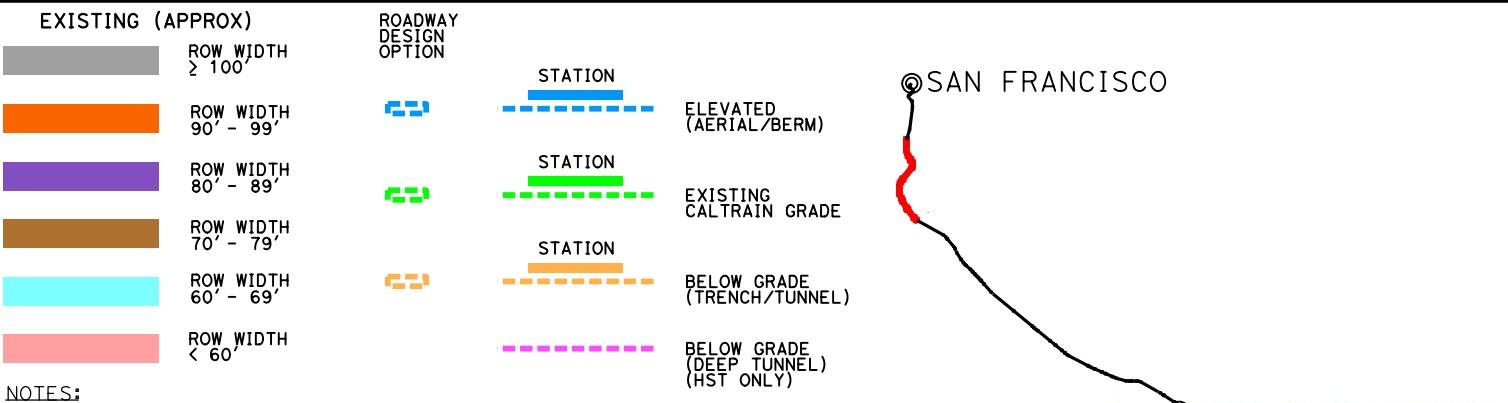
Subsection #2-3

(South San Francisco/San Bruno/SF International Airport)

Length: 8.6 miles Land Use: Urban

South Portal Tunnel No. 4 to South of Millbrae Avenue (MP. 5.77 to MP. 14.38)

This subsection is located in the Cities of Brisbane, South San Francisco, San Bruno and Millbrae. The existing Caltrain alignment is at-grade in this subsection and many crossings are grade separated. The northern portion of this subsection is completely grade separated and includes an existing 4-track segment in Brisbane. In the southern portion of the subsection, BART runs underneath and alongside the Caltrain tracks.



San Francisco - San Jose

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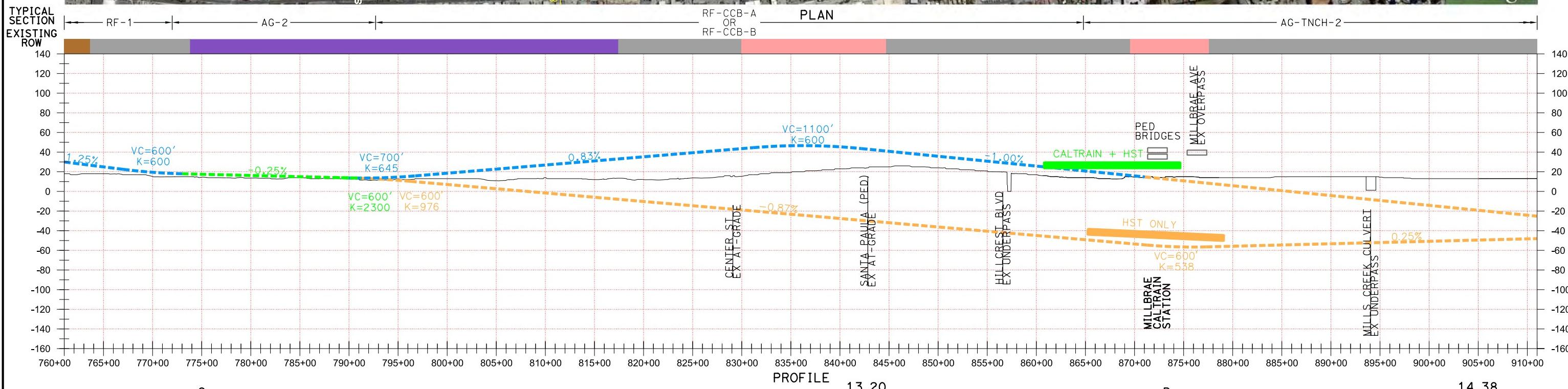
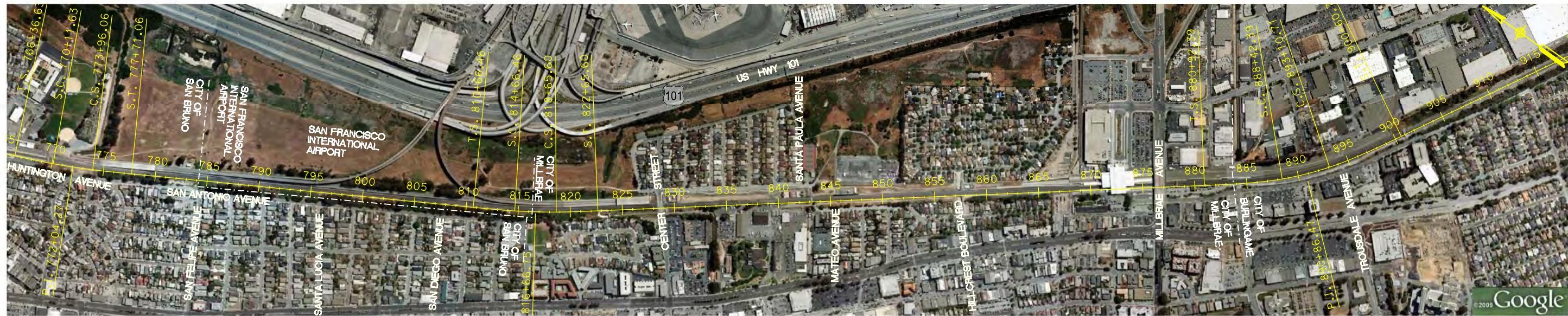
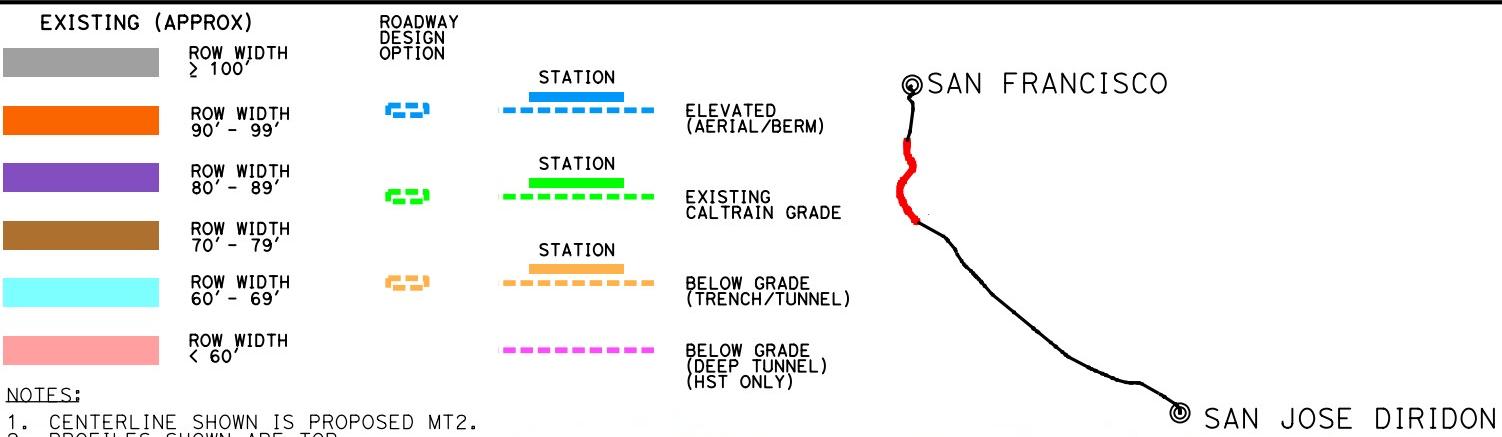
HORIZ. SCALE: 500 0 500 1000
1"=500'
VERT. SCALE: 50 0 50 100
1"=50'

Subsection #2-4 (San Bruno/SF International Airport/Millbrae/Burlingame)

Length: 8.6 miles Land Use: Urban

South Portal Tunnel No. 4 to South of Millbrae Avenue (MP. 5.77 to MP. 14.38)

This subsection is located in the Cities of Brisbane, South San Francisco, San Bruno and Millbrae. The existing Caltrain alignment is at-grade in this subsection and many crossings are grade separated. The northern portion of this subsection is completely grade separated and includes an existing 4-track segment in Brisbane. In the southern portion of the subsection, BART runs underneath and alongside the Caltrain tracks.



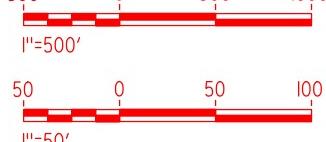
San Francisco - San Jose

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HORIZ. SCALE:



VERT. SCALE:



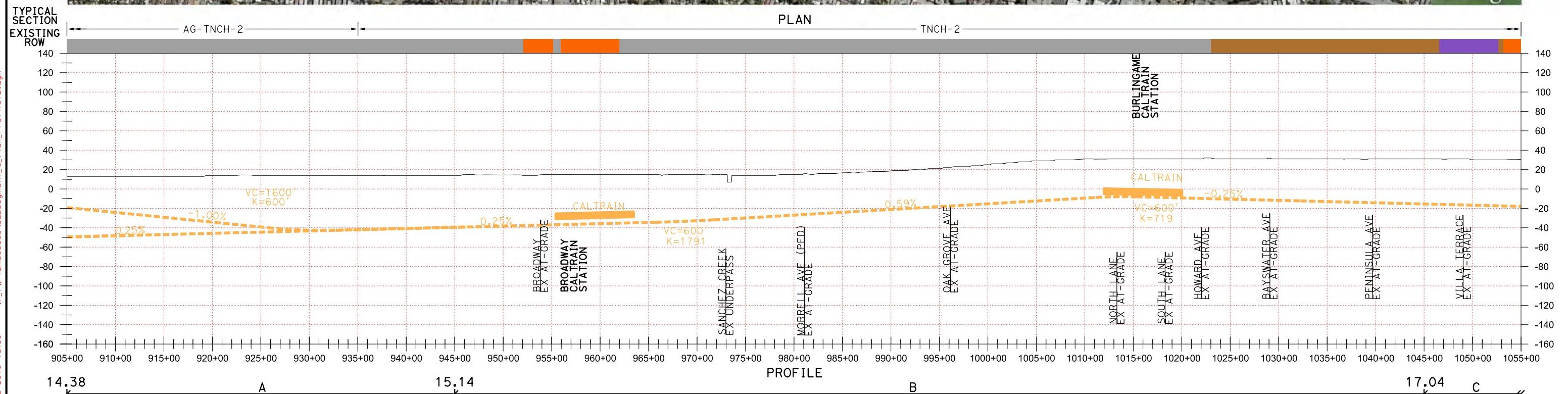
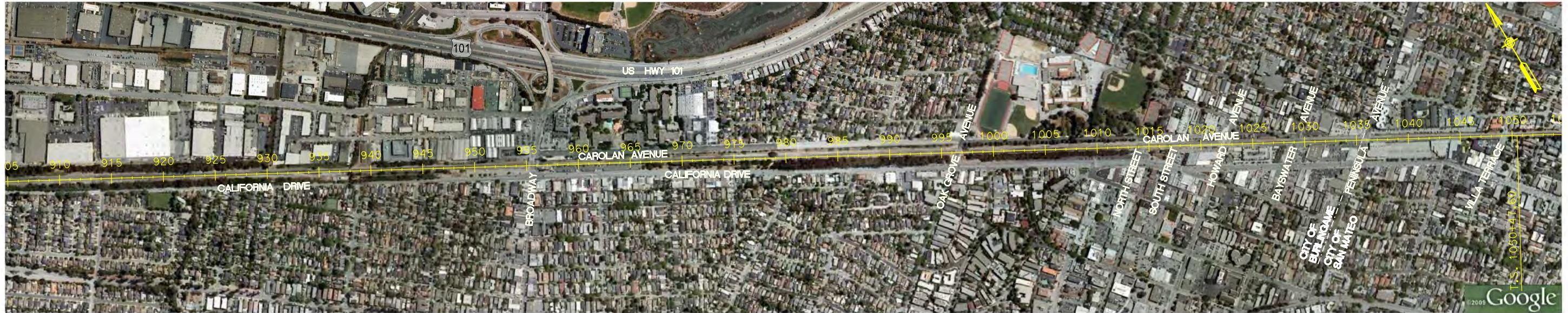
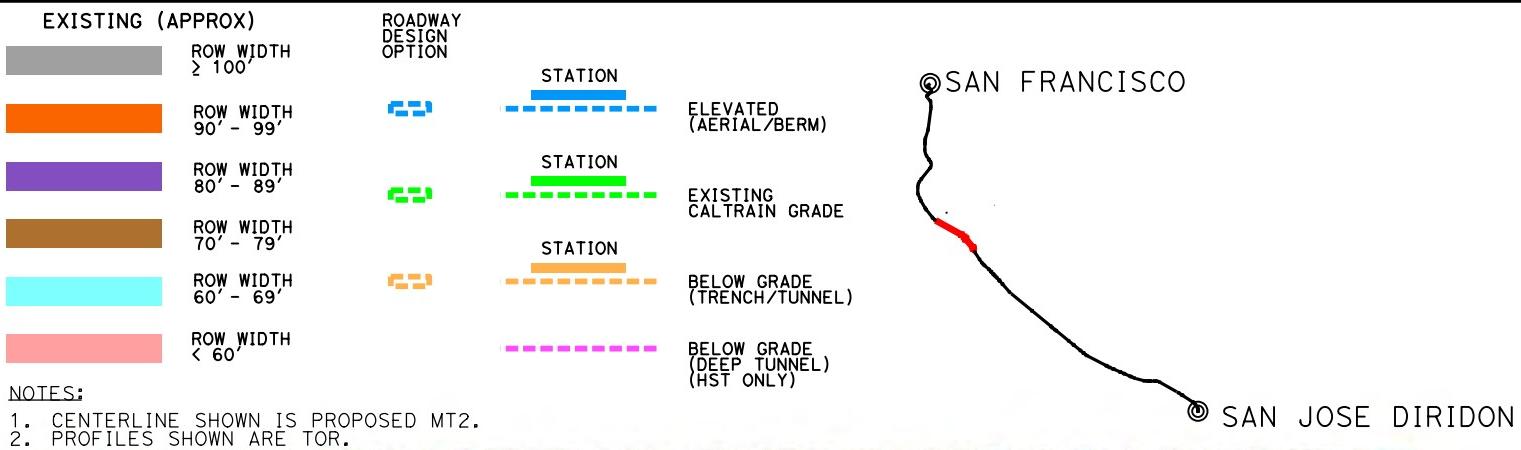
Subsection #3-1

(Burlingame/San Mateo)

Length: 4.9 miles Land Use: Urban

South of Millbrae Avenue to North of Highway 92 (MP. 14.38 to MP. 19.29)

This subsection is located in the Cities of Burlingame and San Mateo. In this subsection, the Caltrain tracks are primarily at-grade as are most of the crossings; those that are grade-separated have sub-standard clearances. This subsection includes a tight area through downtown San Mateo where a number of closely spaced at-grade crossings are an integral part of the street grid.



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HORIZ. SCALE:

500 0 500 1000
1"=500'

VERT. SCALE:

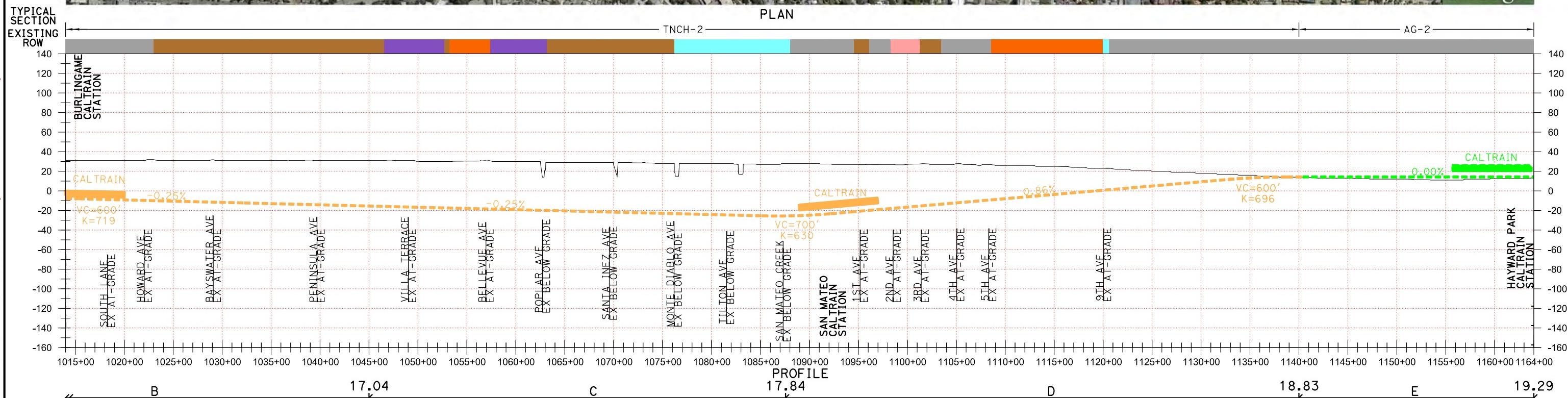
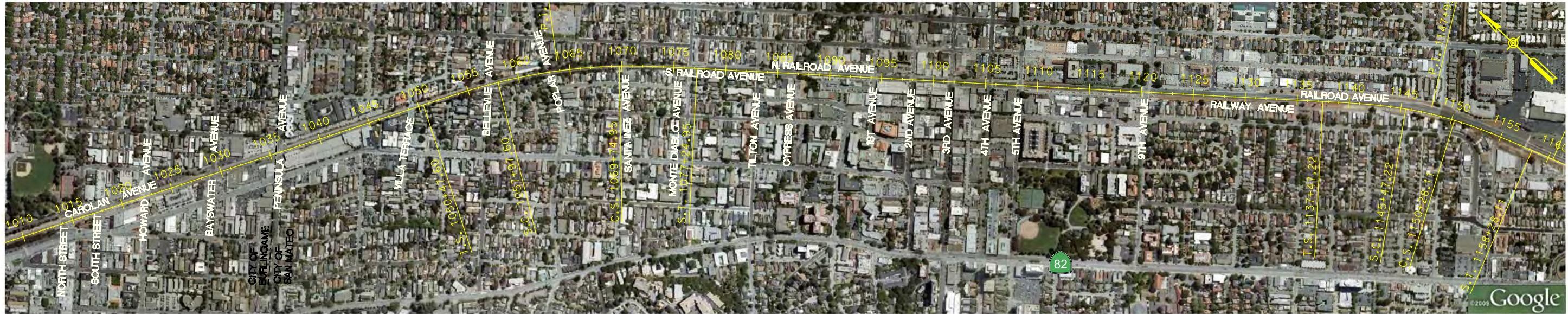
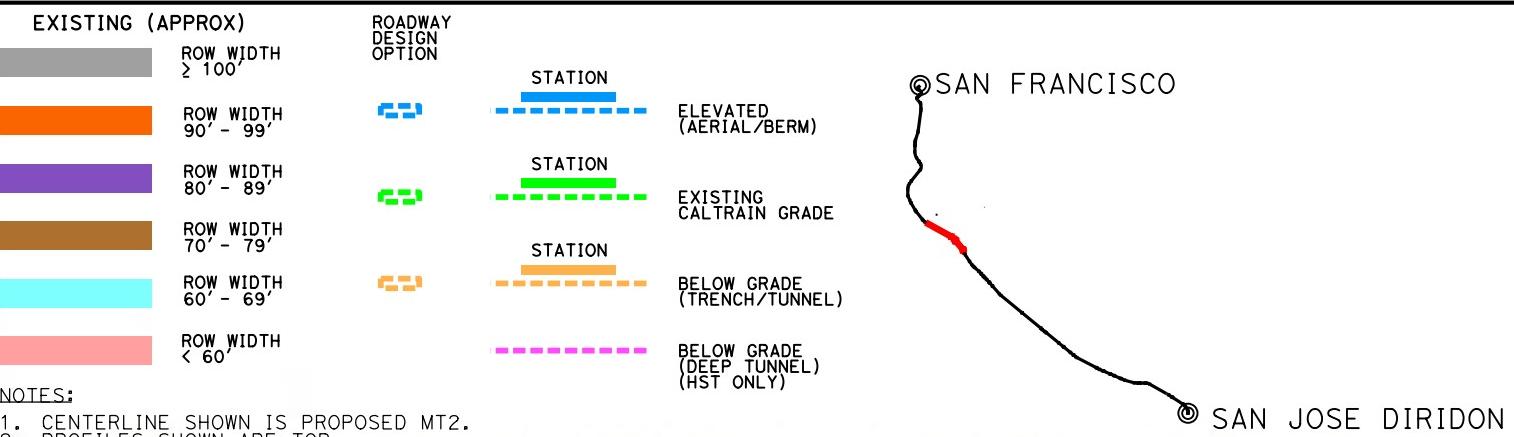
50 0 50 100
1"=50'

Subsection #3-2 (Burlingame/San Mateo)

Length: 4.9 miles Land Use: Urban

South of Millbrae Avenue to North of Highway 92 (MP. 14.38 to MP. 19.29)

This subsection is located in the Cities of Burlingame and San Mateo. In this subsection, the Caltrain tracks are primarily at-grade as are most of the crossings; those that are grade-separated have sub-standard clearances. This subsection includes a tight area through downtown San Mateo where a number of closely spaced at-grade crossings are an integral part of the street grid.



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HORIZ. SCALE:

500 0 500 1000
1"=500'

VERT. SCALE:

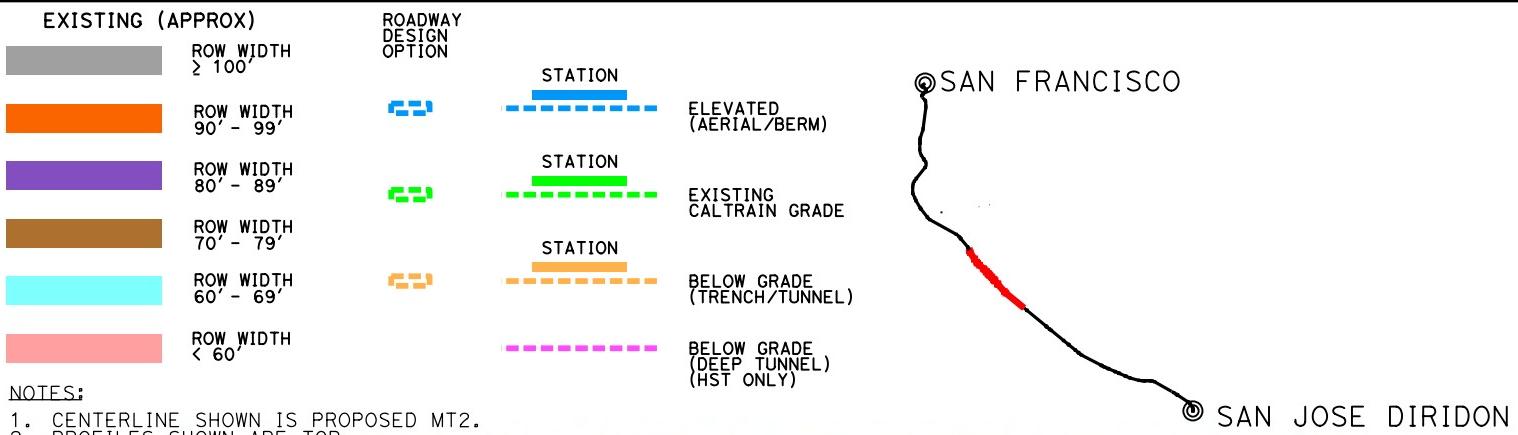
50 0 50 100
1"=50'

Subsection #4-1 (San Mateo/Belmont)

Length: 7.6 miles Land Use: Urban

North of Highway 92 to North of 5th Avenue (MP. 19.29 to MP. 26.88)

This subsection is located in the Cities of San Mateo, Belmont, San Carlos and Redwood City. For most of the northern portion of this subsection, the existing Caltrain tracks are on a recently constructed embankment that passes over the cross streets. In the southern portion of this subsection the at-grade Caltrain tracks pass through a number of at-grade crossings in downtown Redwood City. There is an existing 4 track segment at the southern end of this subsection.



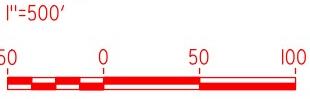
San Francisco - San Jose

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HORIZ. SCALE:



VERT. SCALE:

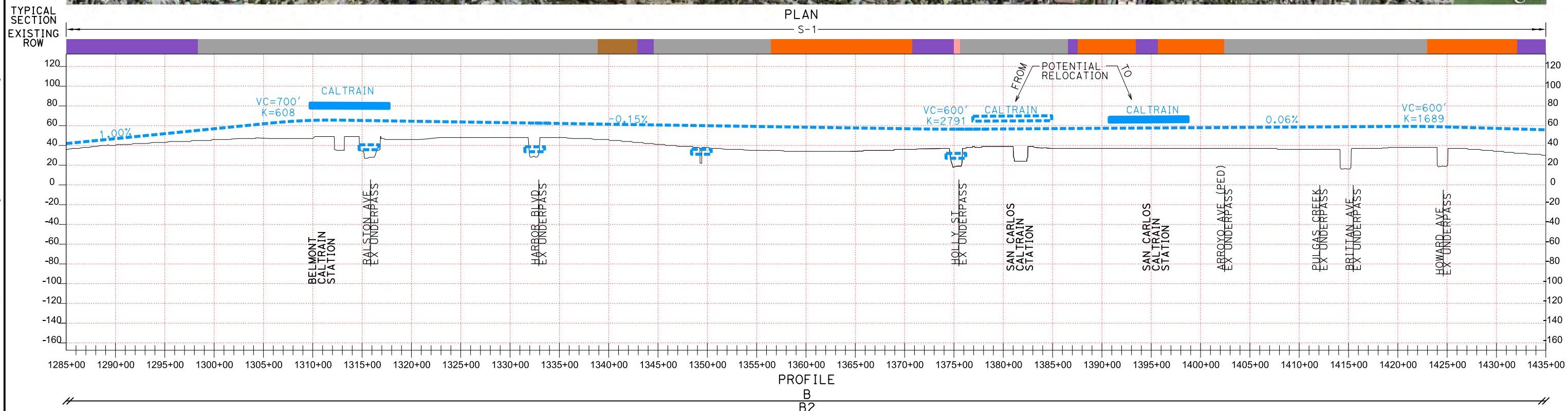
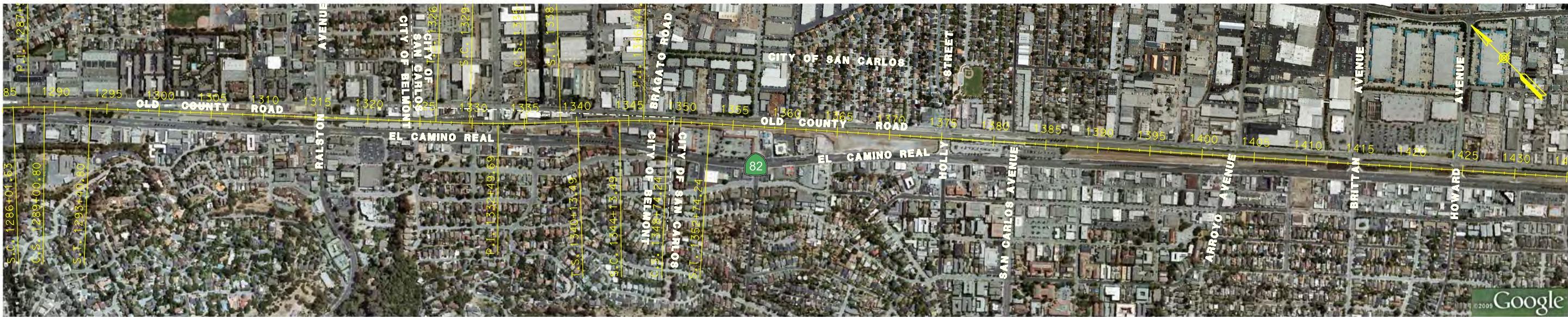
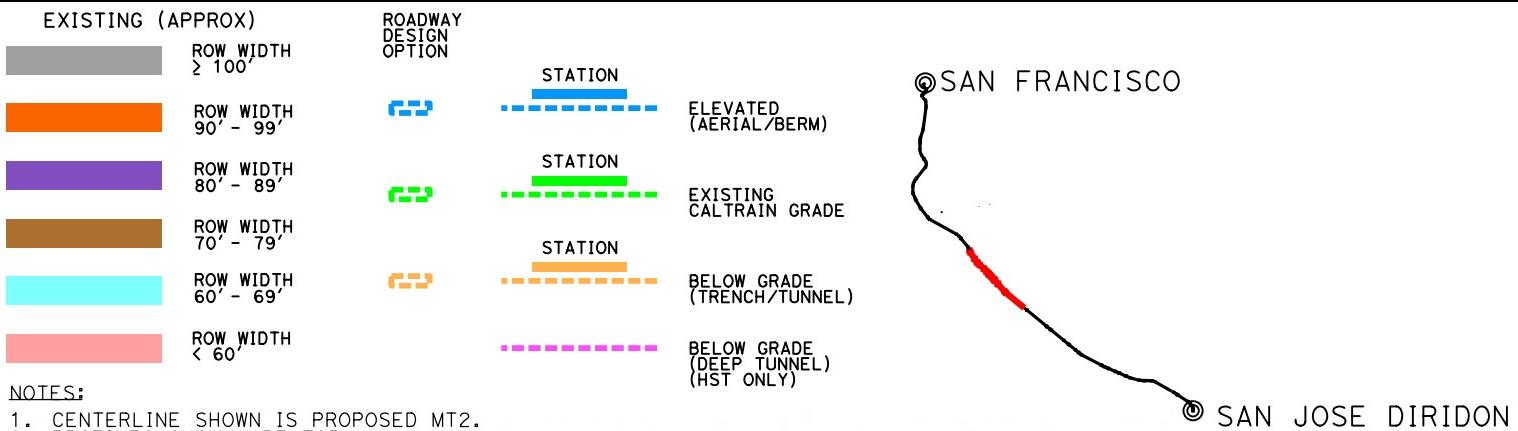


Subsection #4-2 (Belmont/San Carlos)

Length: 7.6 miles Land Use: Urban

North of Highway 92 to North of 5th Avenue (MP. 19.29 to MP. 26.88)

This subsection is located in the Cities of San Mateo, Belmont, San Carlos and Redwood City. For most of the northern portion of this subsection, the existing Caltrain tracks are on a recently constructed embankment that passes over the cross streets. In the southern portion of this subsection the at-grade Caltrain tracks pass through a number of at-grade crossings in downtown Redwood City. There is an existing 4 track segment at the southern end of this subsection.

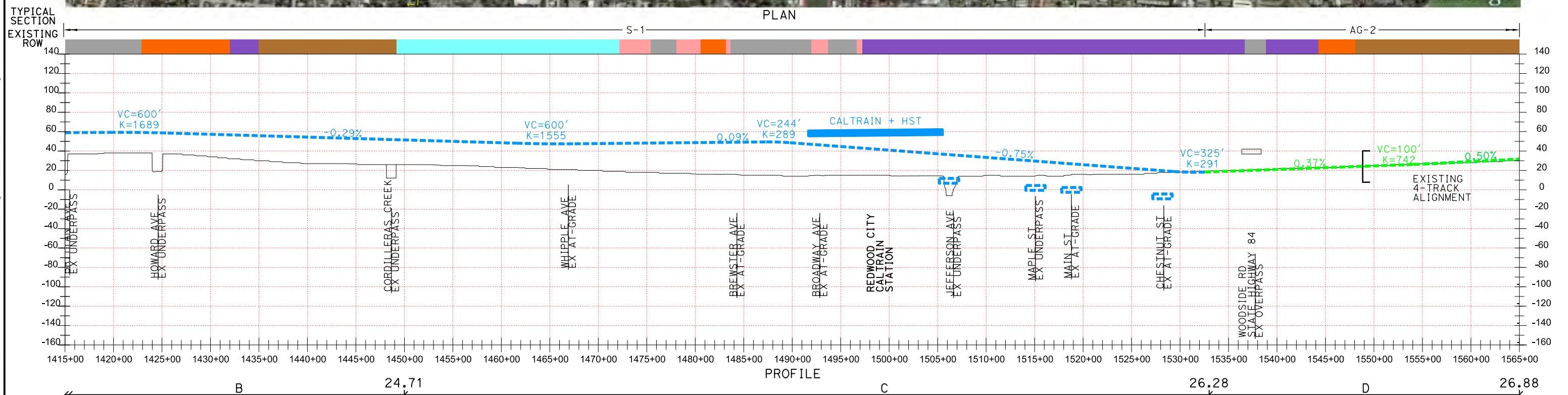
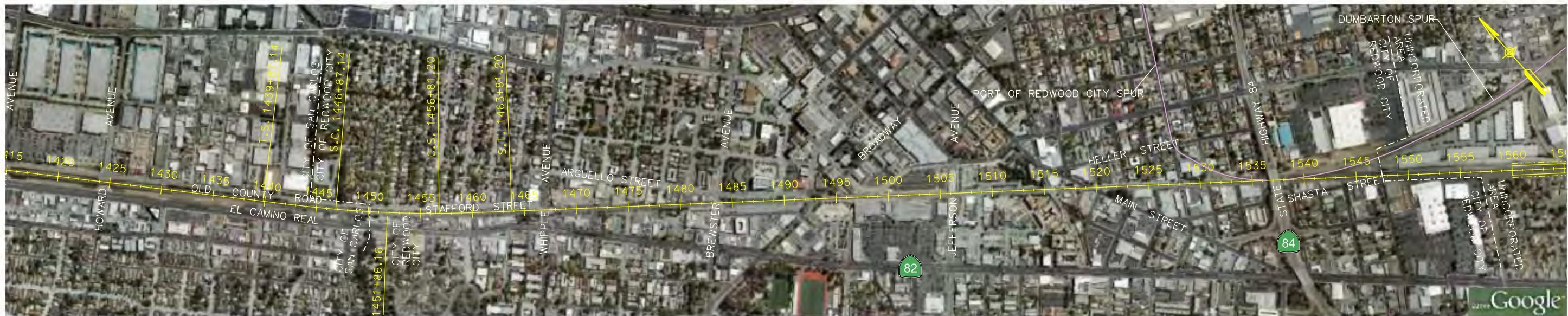
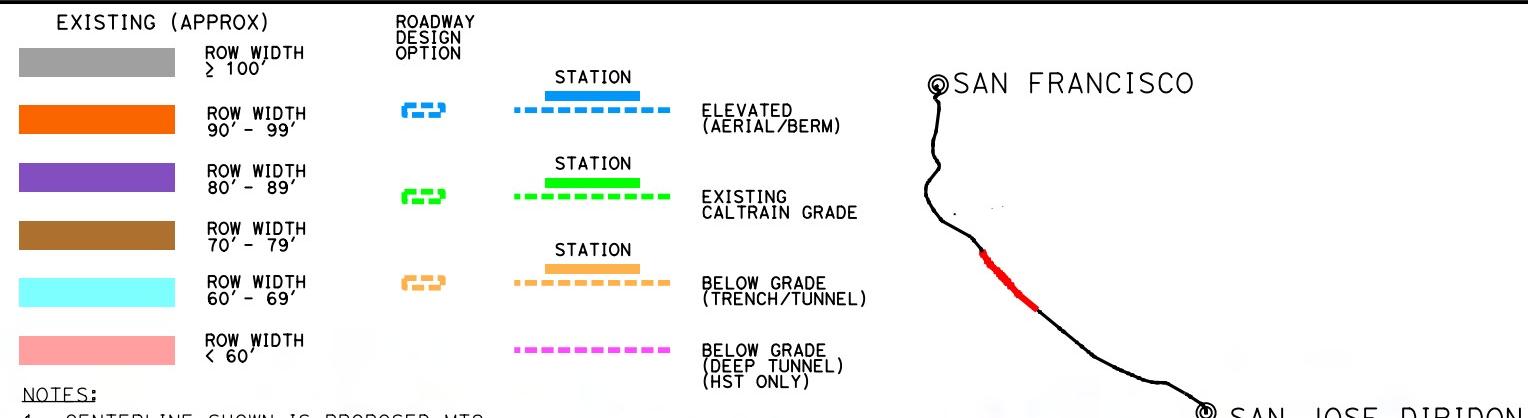


Subsection #4-3 (San Carlos/Redwood City/Unincorporated San Mateo County)

Length: 7.6 miles Land Use: Urban

North of Highway 92 to North of 5th Avenue (MP. 19.29 to MP. 26.88)

This subsection is located in the Cities of San Mateo, Belmont, San Carlos and Redwood City. For most of the northern portion of this subsection, the existing Caltrain tracks are on a recently constructed embankment that passes over the cross streets. In the southern portion of this subsection the at-grade Caltrain tracks pass through a number of at-grade crossings in downtown Redwood City. There is an existing 4 track segment at the southern end of this subsection.

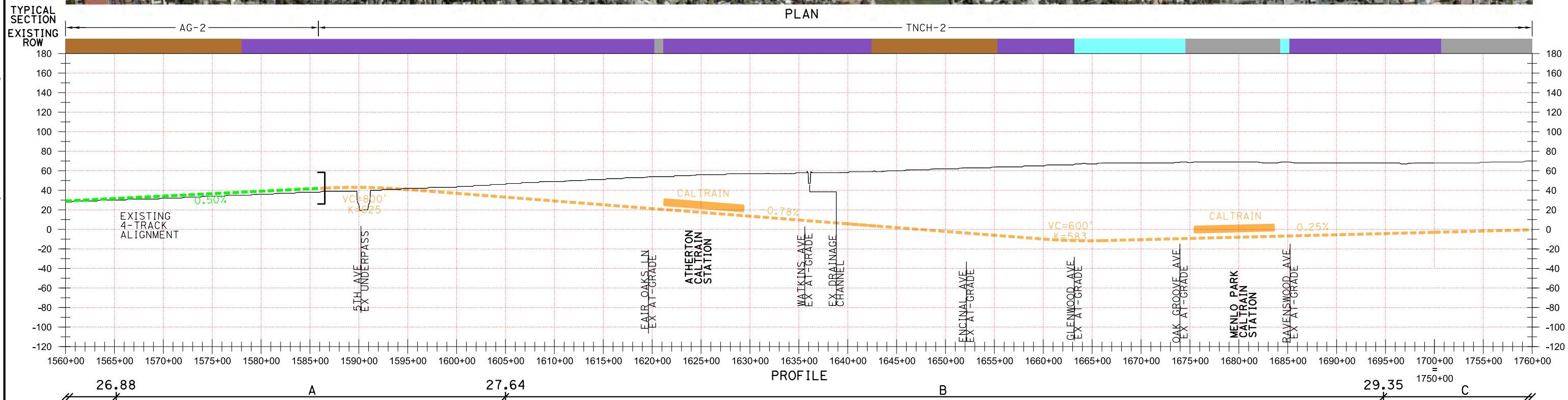
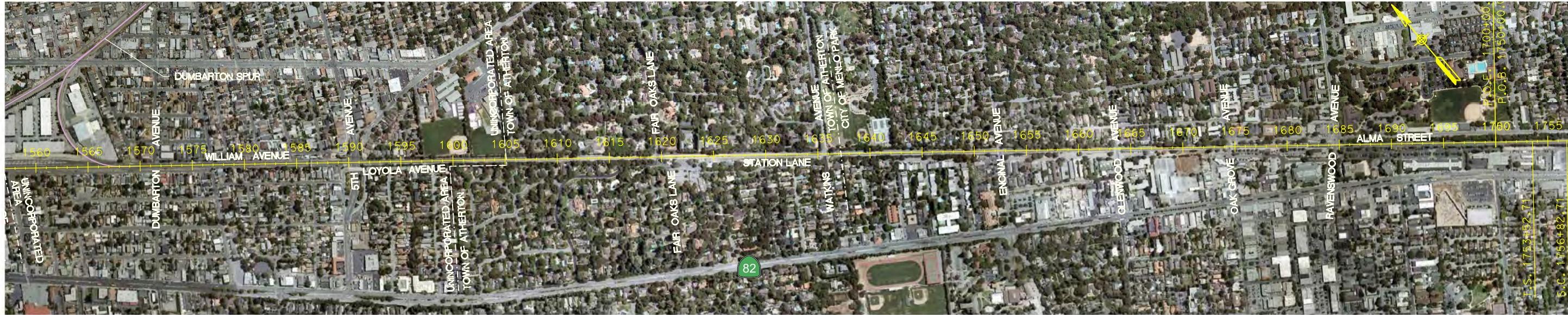
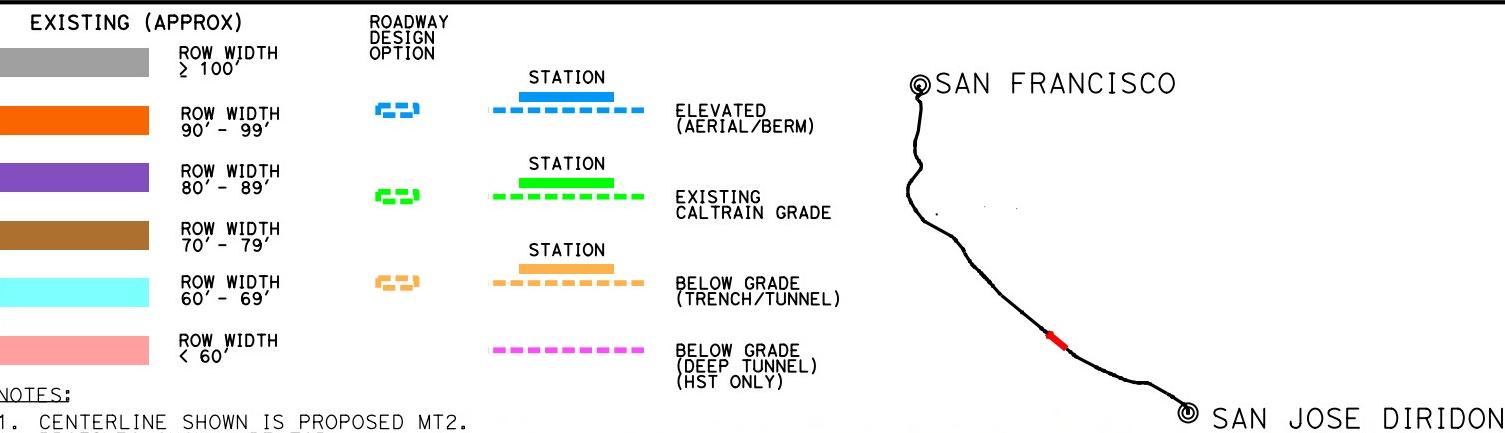


Subsection #5-1 (Unincorporated San Mateo County/Atherton/Menlo Park)

Length: 2.8 miles Land Use: Urban

North of 5th Avenue to North of SCL/SM County Line (MP. 26.88 to MP. 29.72)

This subsection is located in the Cities of Atherton and Menlo Park, with a small portion in unincorporated San Mateo County. The Caltrain tracks are at-grade, and with one exception, all street crossings are at-grade. Generally, the streets that cross the tracks are two-lane collectors serving residential areas. In most cases, these streets are integral parts of the local street network.



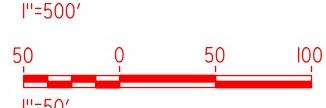
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HORIZ. SCALE:



VERT. SCALE:

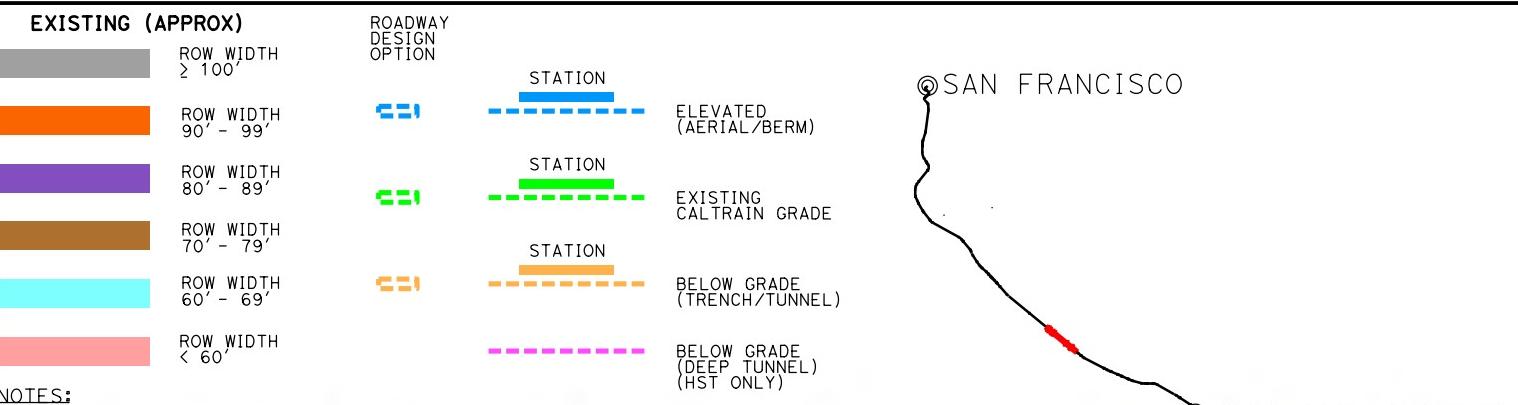


Subsection #6-1 (Menlo Park/Palo Alto)

Length: 3.9 miles Land Use: Urban

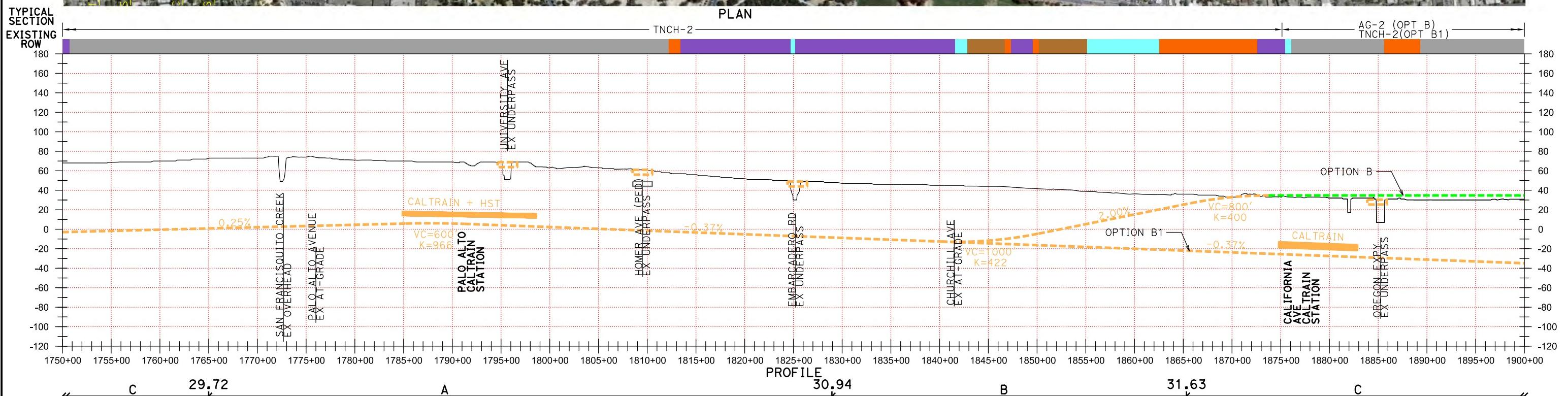
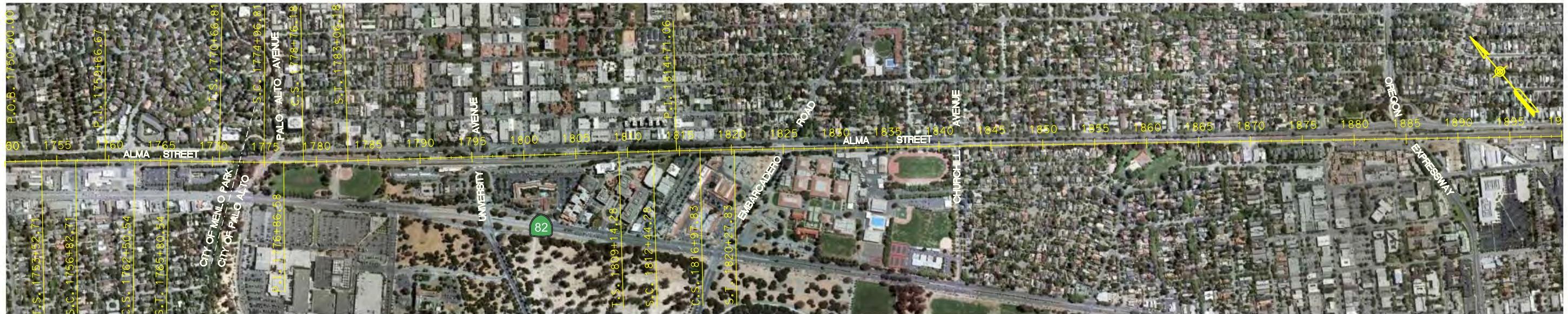
North of SCL/SM County Line to North of Adobe Creek (MP. 29.72 to MP. 33.61)

This subsection is located in the City of Palo Alto. The Caltrain tracks are at-grade and all of the streets that are grade separated pass under the tracks. Several at-grade crossings occur between the grade separations. Alma Street runs alongside the Caltrain tracks for the entire length of this subsection.



NOTES:

1. CENTERLINE SHOWN IS PROPOSED MT2.
2. PROFILES SHOWN ARE TOR.



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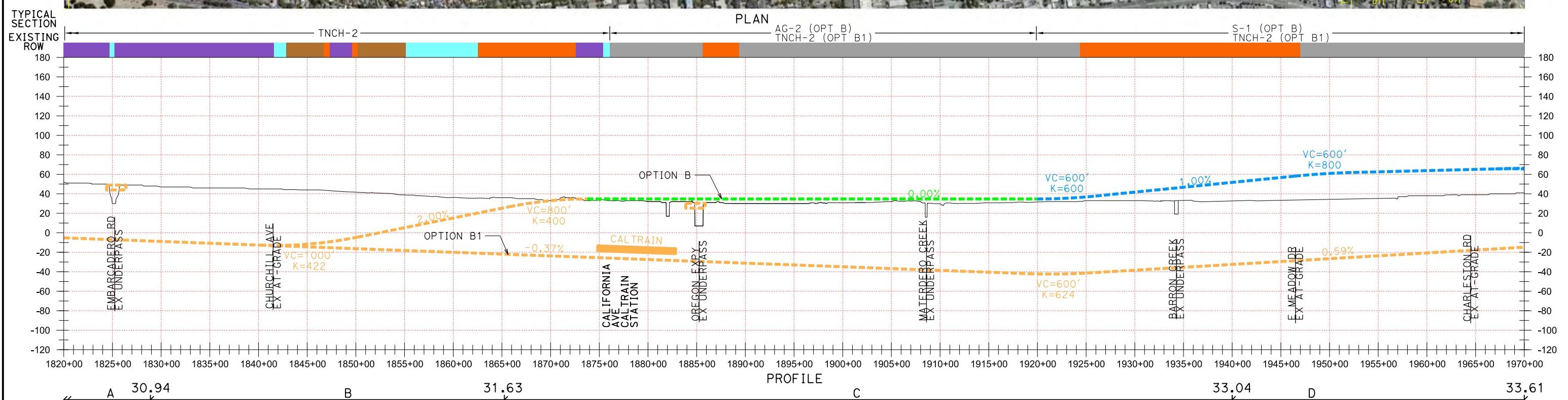
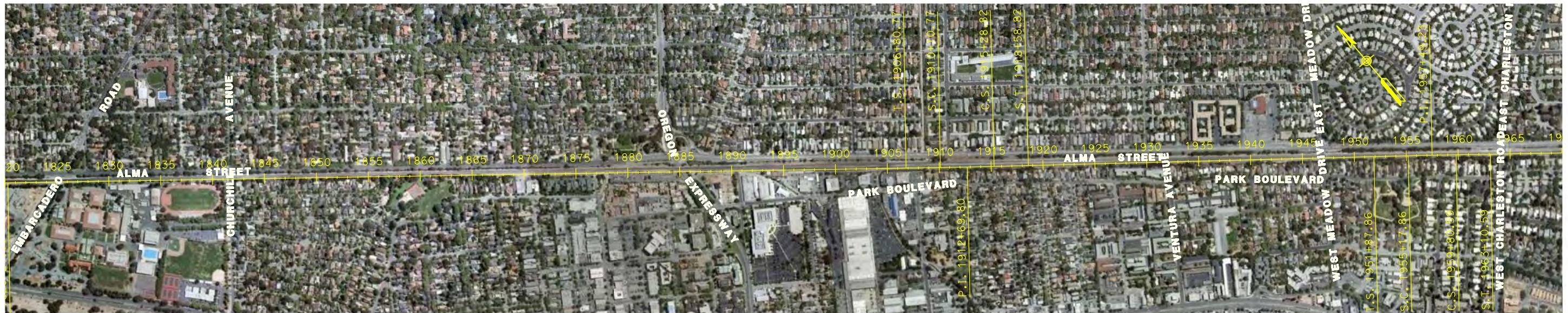
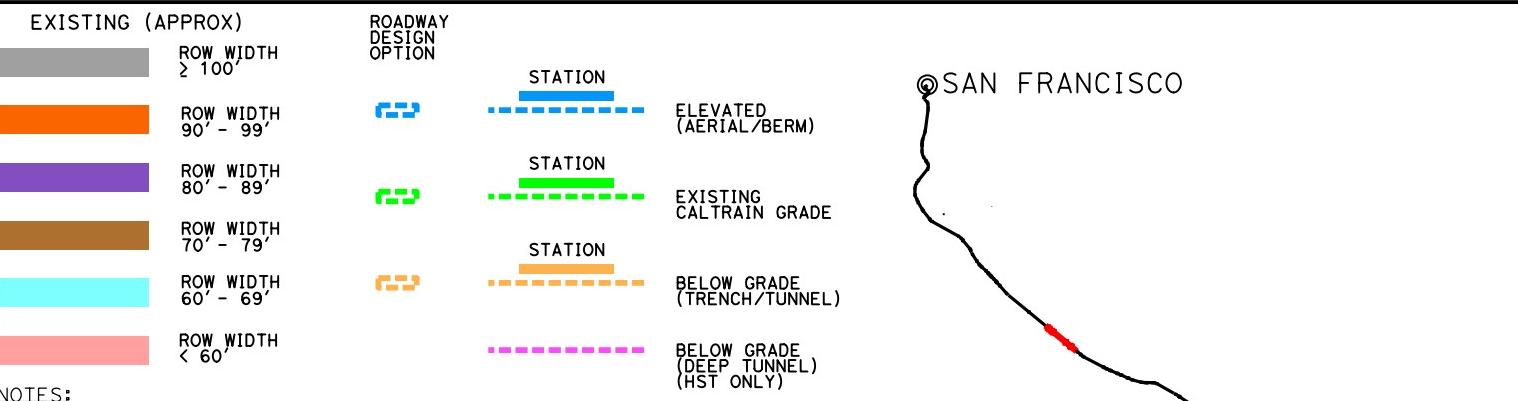
HORIZ. SCALE: 500' 0' 500' 1000'
VERT. SCALE: 50' 0' 50' 100'
I"=50'

Subsection #6-2 (Palo Alto)

Length: 3.9 miles Land Use: Urban

North of SCL/SM County Line to North of Adobe Creek (MP. 29.72 to MP. 33.61)

This subsection is located in the City of Palo Alto. The Caltrain tracks are at-grade and all of the streets that are grade separated pass under the tracks. Several at-grade crossings occur between the grade separations. Alma Street runs alongside the Caltrain tracks for the entire length of this subsection.



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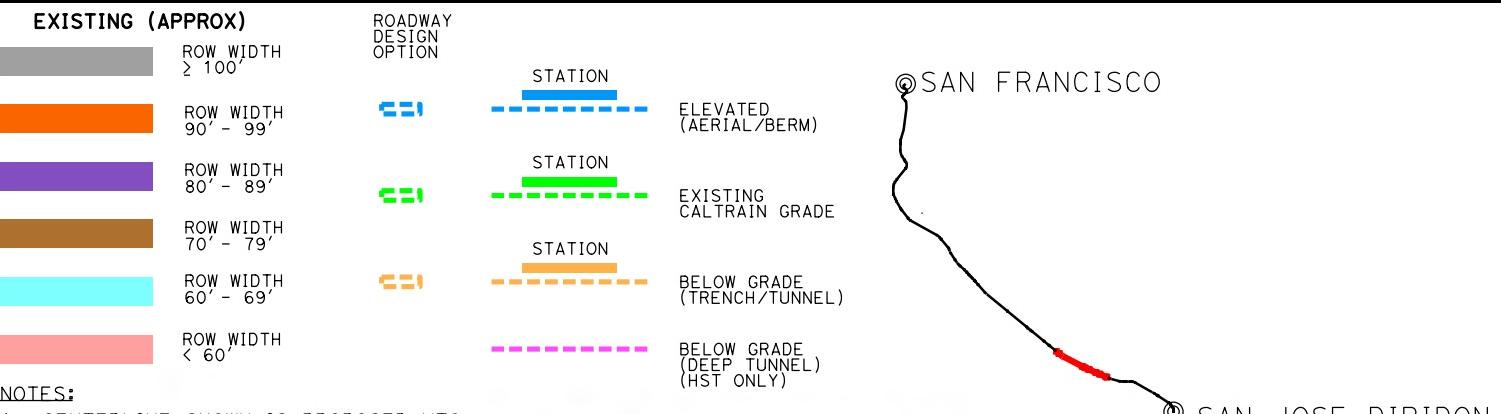
HORIZ. SCALE: 500 0 500 1000
1"=500'
VERT. SCALE: 50 0 50 100
1"=50'

Subsection #7-1 (Palo Alto/Mountain View)

Length: 5.7 miles Land Use: Urban

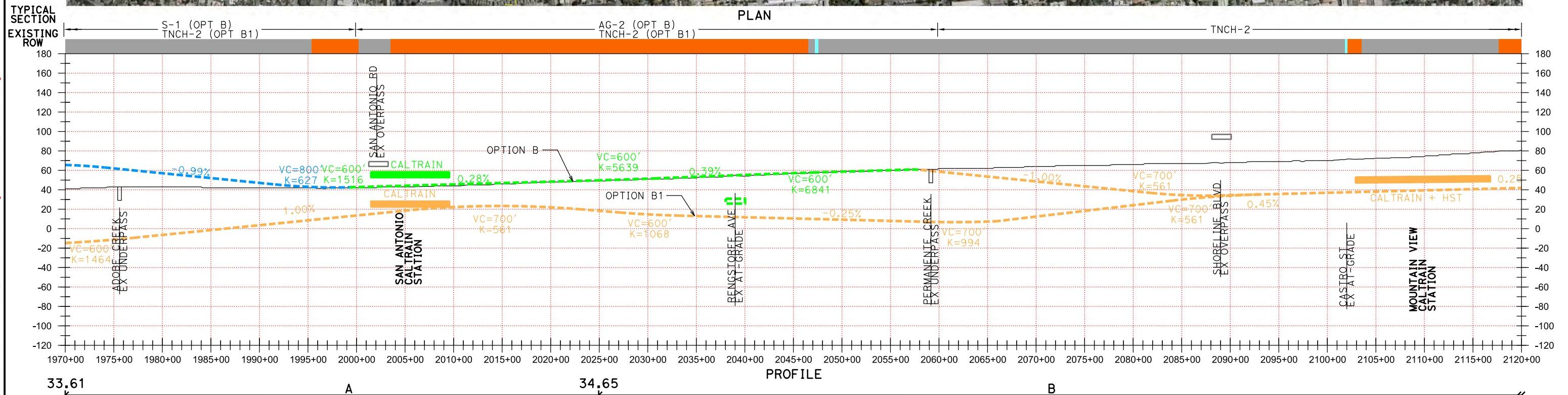
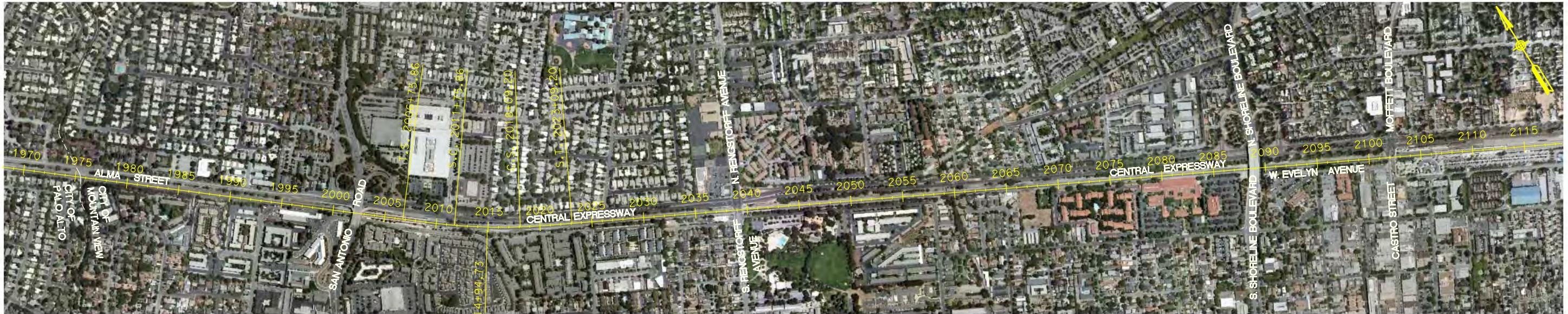
North of Adobe Creek to North of Fair Oaks Avenue (MP. 33.61 to MP. 39.29)

This subsection is located in the Cities of Mountain View and Sunnyvale. The Caltrain tracks are at-grade and all grade separated crossings pass over the tracks. Several at-grade crossings occur between the grade separations. Central Expressway and Evelyn Avenue run alongside the Caltrain tracks for a large portion of this subsection.



NOTES:

1. CENTERLINE SHOWN IS PROPOSED MT2.
2. PROFILES SHOWN ARE TOR.

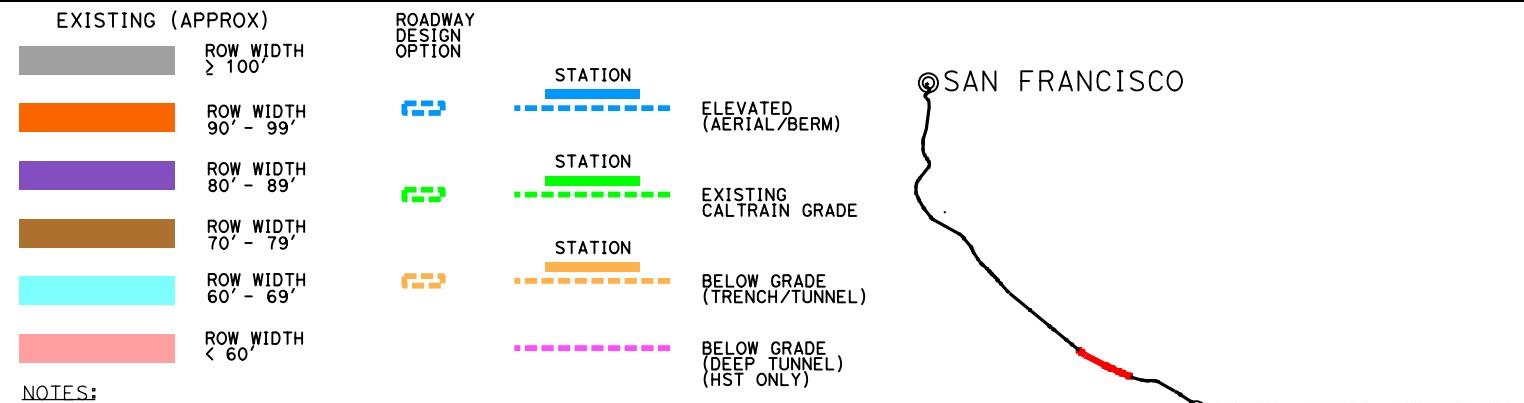


Subsection #7-2 (Mountain View/Sunnyvale)

Length: 5.7 miles Land Use: Urban

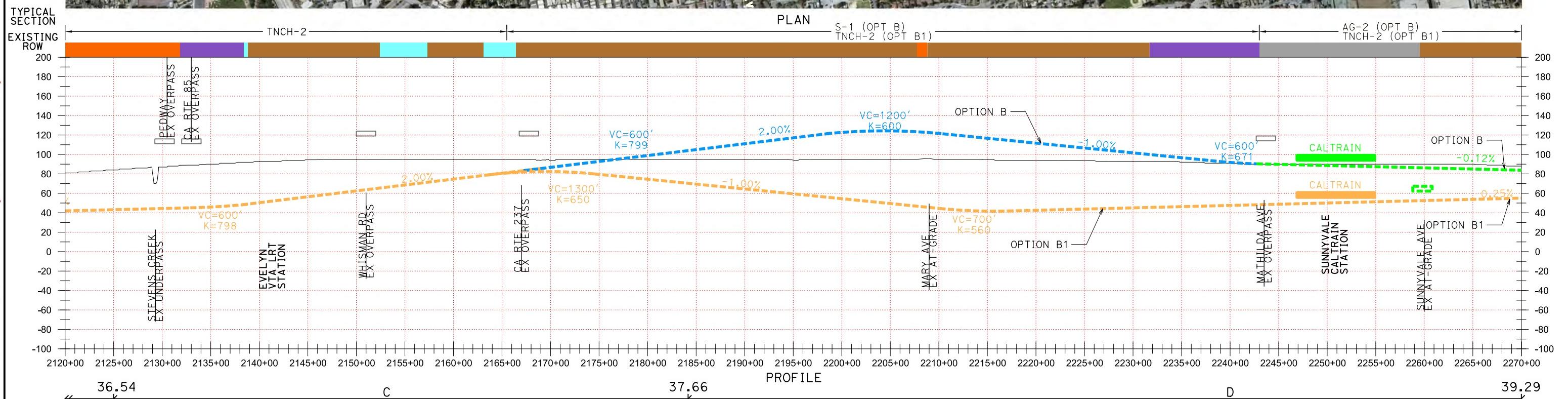
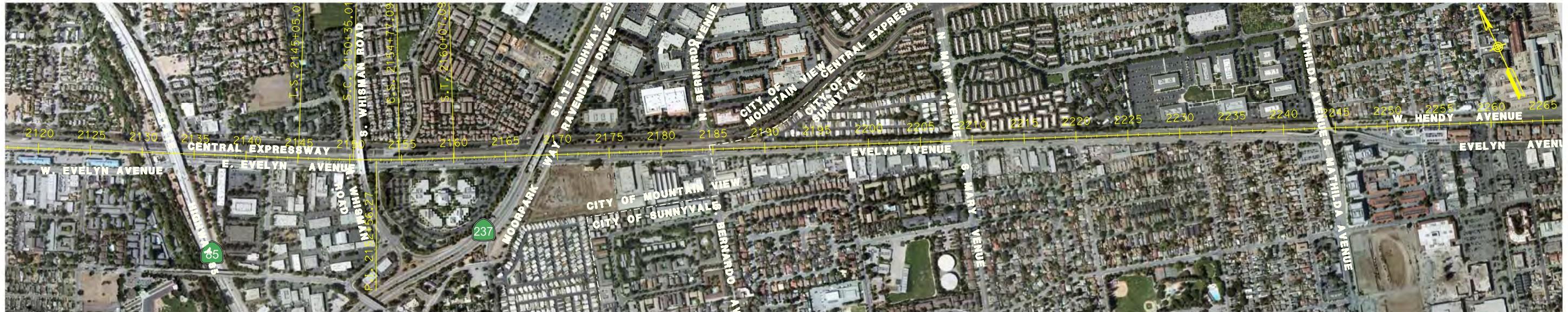
North of Adobe Creek to North of Fair Oaks Avenue (MP. 33.61 to MP. 39.29)

This subsection is located in the Cities of Mountain View and Sunnyvale. The Caltrain tracks are at-grade and all grade separated crossings pass over the tracks. Several at-grade crossings occur between the grade separations. Central Expressway and Evelyn Avenue run alongside the Caltrain tracks for a large portion of this subsection.



NOTES:

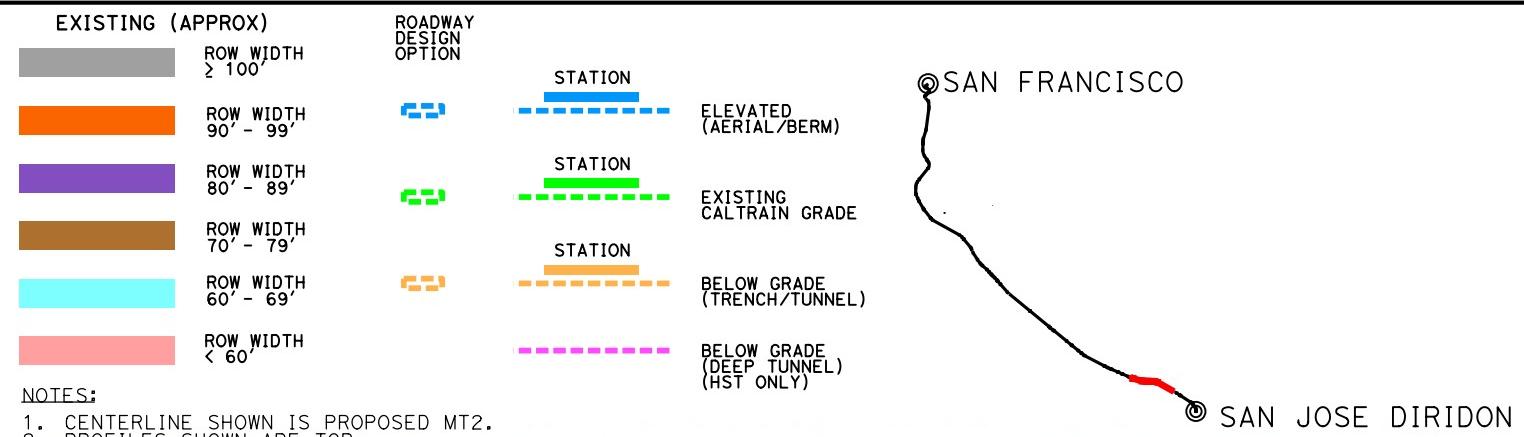
1. CENTERLINE SHOWN IS PROPOSED MT2.
2. PROFILES SHOWN ARE TOR.



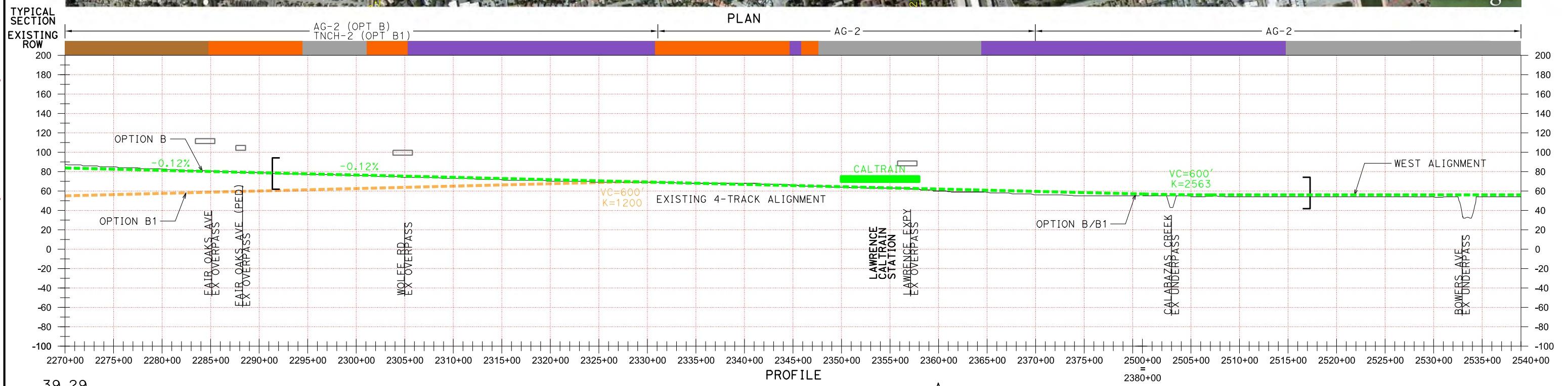
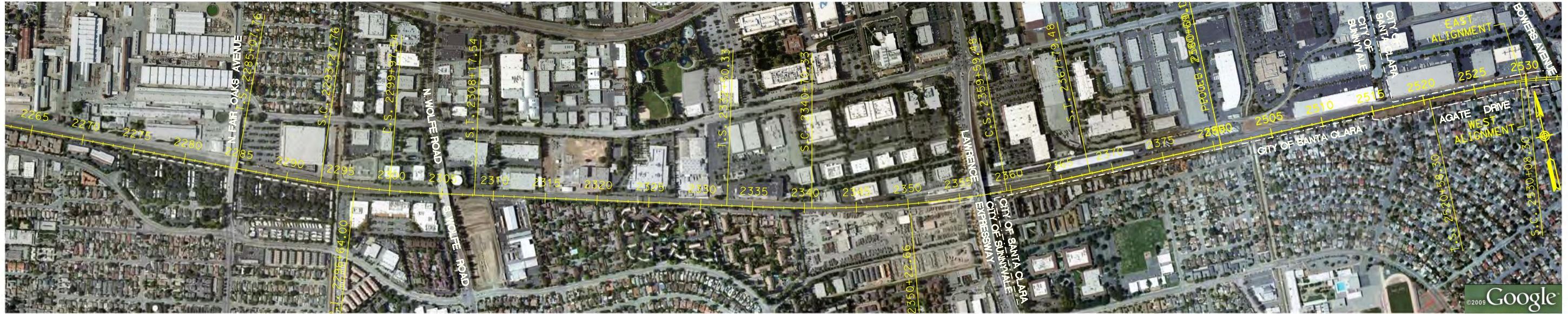
Subsection #8-1 (Sunnyvale/Santa Clara)

Length: 4.7 miles Land Use: Urban

North of Fair Oaks Avenue to South of De La Cruz Boulevard (MP. 39.29 to MP. 44.04)
This subsection is located in the Cities of Sunnyvale and Santa Clara. The Caltrain tracks are at-grade and all crossings are grade separated. Most of the crossings pass over the tracks. This subsection includes an existing 4-track segment near Lawrence Expressway.



1. CENTERLINE SHOWN IS PROPOSED MT2
2. PROFILES SHOWN ARE TOR.

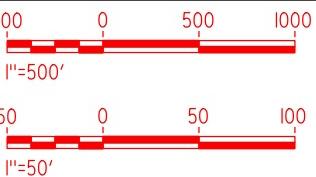


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HORIZ. SCALE:

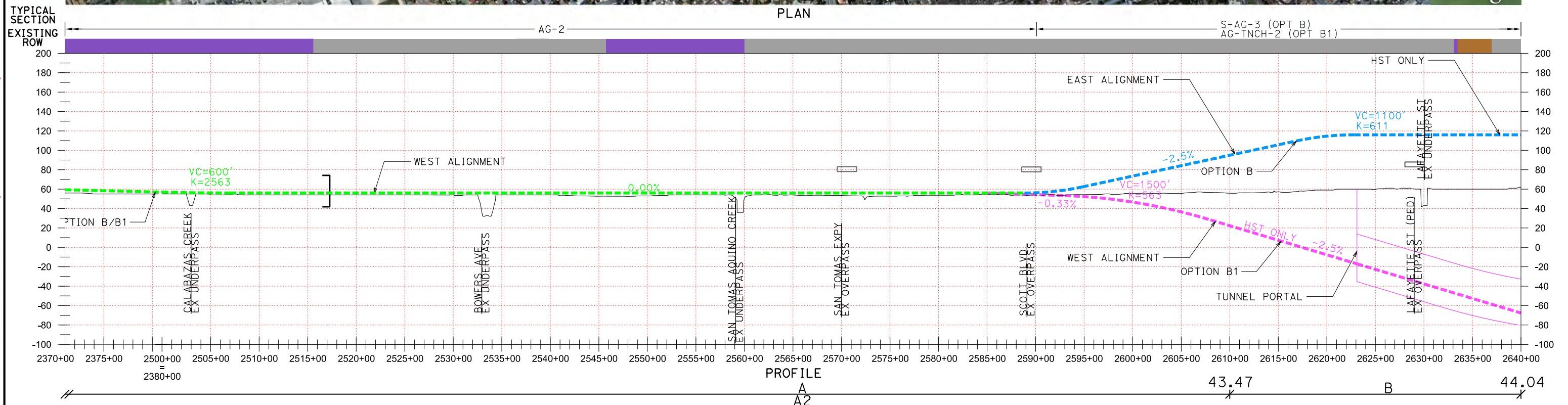
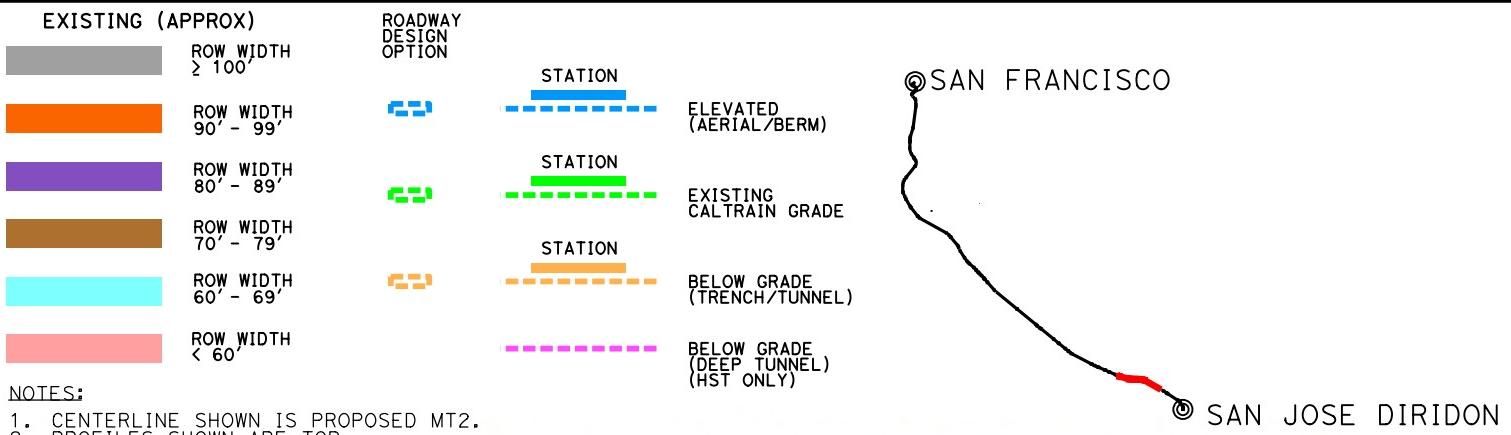
VERT. SCALE:



Subsection #8-2 (Santa Clara)

Length: 4.7 miles Land Use: Urban

North of Fair Oaks Avenue to South of De La Cruz Boulevard (MP. 39.29 to MP. 44.04)
 This subsection is located in the Cities of Sunnyvale and Santa Clara. The Caltrain tracks are at-grade and all crossings are grade separated. Most of the crossings pass over the tracks. This subsection includes an existing 4-track segment near Lawrence Expressway.



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HORIZ. SCALE:

500 0 500 1000
 1"=500'

VERT. SCALE:

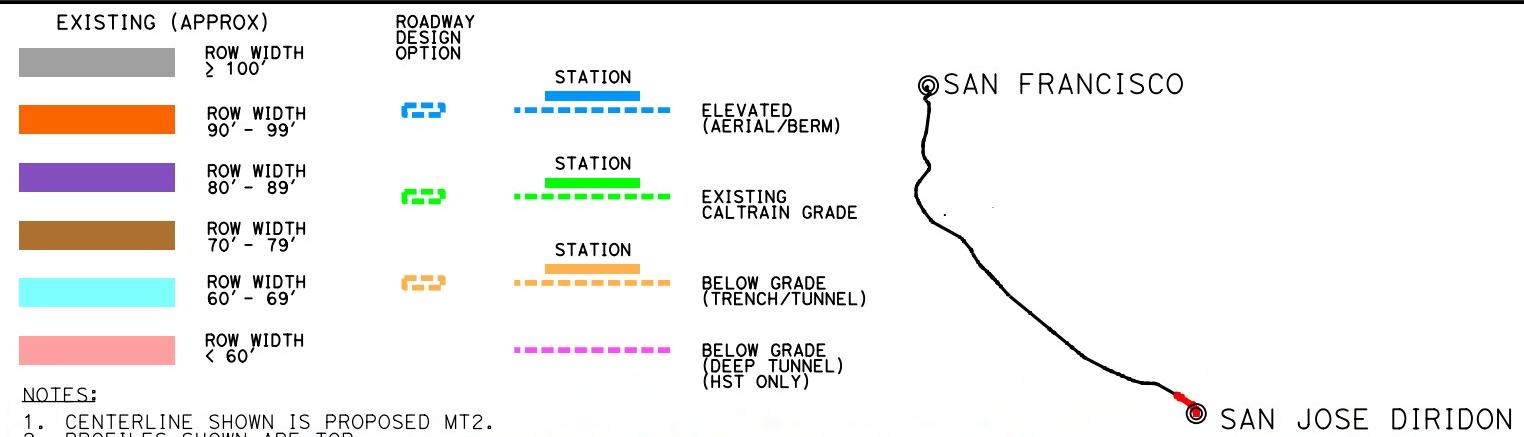
50 0 50 100
 1"=50'

Subsection #9 (a)-1 (Santa Clara/San Jose)

Length: 3.5 miles Land Use: Urban

North of De La Cruz Boulevard to San Jose Diridon Station (MP. 44.04 to MP. 47.54)

This subsection is located in the Cities of San Jose and Santa Clara. The Caltrain tracks are at-grade and all crossings are grade separated. Besides Caltrain, this subsection is also used by ACE, Capitol Corridor and Amtrak long distance passenger trains and UPRR through freight trains. The future BART extension will also run alongside this subsection, primarily in a tunnel.

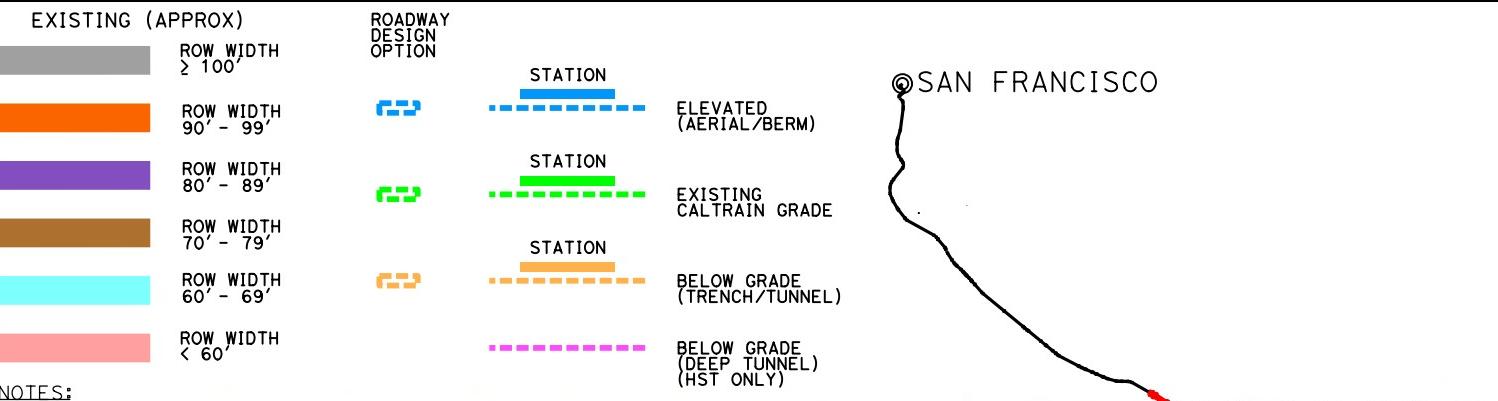


Subsection #9 (a) - 2 (San Jose)

Length: 3.5 miles Land Use: Urban

North of De La Cruz Boulevard to San Jose Diridon Station (MP. 44.04 to MP. 47.54)

This subsection is located in the Cities of San Jose and Santa Clara. The Caltrain tracks are at-grade and all crossings are grade separated. Besides Caltrain, this subsection is also used by ACE, Capitol Corridor and Amtrak long distance passenger trains and UPRR through freight trains. The future BART extension will also run alongside this subsection, primarily in a tunnel.



San Francisco - San Jose

DRAFT Supplemental Vertical Alternatives Discussion - Option B/B1
August 2010

HORIZ. SCALE:

VERT. SCALE:

